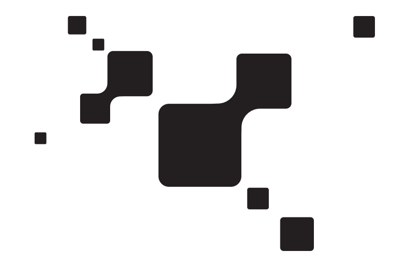
VOXOA

C50

DJ Controller w/ Audio Interface
数码DJ控制器&声卡



User Manual

使用说明书

目 录

中文

Contents

ENGLISH

重要安全指示

1. **阅读说明书** - 操作本产品前应先阅读所有安全性及操作说明。
2. **保留说明书** - 安全性及操作说明应妥善保存供未来参考用。
3. **留心警告** - 所有在本产品及操作说明上的警告都要遵守。
4. **参照说明书** - 需参照所有操作及使用说明。
5. **水和湿气** - 在操作本产品时绝对不要靠近水-例如靠近浴缸、脸盆、洗碗槽、洗衣盆、游泳池、及在潮湿地下室等等。禁止将装有液体的容器，例如花瓶，酒瓶等至于本产品上。
6. **移动平台及固定台面** - 本产品只能使用在制造商所建议的移动平台及固定台面。本产品与移动平台的组合在移动时应特别注意。突然地停止，过大的外力及不平衡的表面，都会造成本产品在移动平台上翻覆。

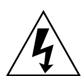


7. **墙壁或天花板架置** - 本产品应只参照制造商所建议的方式来架置在墙壁或天花板上。
8. **高温** - 本产品应远离热气来源，例如散热器、暖器、火炉或者其他会产生高温的用品(包含扩大机)。
9. **电源** - 本产品只能照电压标签所示来操作。如果你不确定你住家的电源的种类，请谘询你的产品卖家或当地电力公司。若本产品需要用电池或其他电源，请参照操作说明书。
10. **接地与电极** - 本产品可能供给极化交流电插头。插头只有一个方向插入插座。这是一个安全装置，如果没办法完全插入插座，请试著把插头反方向。如果插头仍无法插入插座，请连络电工来更换插座，请勿毁损安全性为考量的插头。
11. **电源线的保护** - 电源供应线应该妥善规划布线的路径，避免被其他物件所缠绕。应特别注意所使用的插座是否与电源供应线的插头吻合，这插座要靠近本产品的使用地点。
12. **清洁** - 本产品须依照制造商所建议的方式做清洁。清洁本产品应使用柔软的乾布清洁。
13. **交流电供电零件** - 维修完成后在交还产品给使用者前，应使用电阻测量表测量交流电插头及所有暴露在外的金属零件，电阻值应大于100k欧姆。
14. **长时间未使用** - 本产品在长时间未使用的状况下，应将插头拔除。
15. **物体及液体进入** - 小心不要让物体掉入及液体流进本产品里。
16. **损坏需求服务** - 当A.电源线或插头已经毁损；或B.异物或液体掉进本产品；或C.本产品暴露在雨中；或D.操作或功能不正常；或E.本产品被摔落或内部损坏时，应送回合格的服务人员处进行维修。
17. **售后服务** - 除了操作说明书所提到的正常操作外，使用者不应进行其他不当操作或试图自行维修。当本产品有问题时应请教合格的维修服务人员或送回合格的维修站进行维修服务。

18. **保持本产品在空气流通的环境中** - 本产品上的散热孔提供流通的空气，以避免本产品在操作时产生过热的现象。这些为保持本产品空气流通的散热孔严禁被阻隔或被其他物品覆盖。特别是较柔软的表面，例如床，沙发及地毯等等。本产品不应被安装在内建的空间内，例如书橱及架子，除非能够依制造产商所规范的空气流通指示建构。
19. **连接安装** - 请勿安装非本产品制造商所建议的连接器材，以避免本产品遭受损害。
20. **配件** - 请勿将本产品放置在不稳定的移动推车，三角架，支撑架或桌子上。本产品可能会掉落因而使小孩或是成人受伤，并且本产品会受到严重的损害。只能使用制造商所建议的移动推车，三角架，支撑架或桌子，或是与本产品一起销售的配件。必须依制造商指示安装本产品，并且安装的配件必须使用制造商所建议的。
21. **闪电** - 为保护本产品在风雨期间不受到闪电的影响及侵害，当本产品长时间不使用时将插头拔除，并拆除天线。这将保护本产品免于受到闪电及电源突然增加的损害。
22. **替换零件** - 当需要替换零件时，请确保维修技术人员使用制造商所指定的零件或是与原零件具有相同特性的替代品。未经授权的替代零件会导致过热著火，电磁冲击或其他严重的损害。
23. **安全性检查** - 本产品在进行维修或任何服务时，请要求维修服务人员进行安全性检查，以确保本产品在正确地操作状况下。

警 告

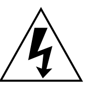
严禁本产品暴露在下雨及潮湿的环境之中，以降低起火及触电的危险。本产品避免暴露在会滴水及会溅到水的环境中。装有液体的容器绝对禁止放在本产品上，例如酒瓶，花瓶等等。



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



注意:严禁打开机盖以降低触电的风险。维修及更换零件请谘询维修中心合格的维修工程师。



三角形中有个箭头的闪电标志是为了警告在产品内部因未绝缘而可能产生的高压电，这高压电会造成触电的危险。



三角形中有个惊叹号是为了提醒使用者重要的操作及维护指示。

注 意

为了杜绝触电的危险，请勿使用不合规格的插座。应使用插头能够完全插入插座的插孔。

特色

C50是专为新一代DJ所设计数码控制器，可兼容控制市场上主流的DJ软件，同时可控制四个Deck及四个通道，内建4进4出 (mono)的声卡，有高品质的声音表现。

使用者介面设计完全符合软件的操控，有独立的音效控制单元，Hot Cue 按键，及Sampler按键。横推(Crossfader)的设计可切换控制Video及Audio，在做VDJ时更为方便，并可独立拆换。触控转盘可精确做出刮盘的控制，并有独立的灵敏度控制。

4 Deck及4通道切换控制

透过DECK SWITCH切换键，最多可控制四个Deck播放控制，及混音器部分四个通道控制。符合最新软件设计，有四个按键独立控制Sample Decks，让你的音乐更加有创意及变化。

高品质4进4出声卡

C50内建高品质4进4出声卡，搭配先进线路设计提供最佳的音质表现。麦克风输入做为Sample样本音录制使用。另可外接播放器或是唱盘，做为紧急输出使用。

紧急直通开关

不需要电脑，可外接CD播放器，唱盘，甚至是随身MP3播放器，直接输出音乐到功放或喇叭，为你的专业演出增加创造性与保障。

高品质触控转盘

精致设计高品质触控转盘，除引人的外型设计外，采用全球专利人体触控感应设计。转盘触控感应的灵敏度可单独调整，以适合不同使用者的操作习惯。

搭配VIRTUALDJ LE软件

2010年VirtualDJ赢得WMC最佳DJ软件(Best DJ Soft)的殊荣。Virtual DJ软件是目前全球最先进的DJ软件，除可做一般音乐混音播放外，还可做时间码搓碟控制及影像Video DJ的控制。

耳机监听插孔

两种不同尺寸1/8 6.3mm 及1/4 3.5mm英吋耳机插孔设计，适合不同的耳机使用，大幅增加使用上的方便性。

针对Video DJing设计

为满足Video DJing需求，在Crossfader特别设计可切换Video/Audio Crossfader 功能，并且有独立的Encoder可选择启动Video Effect及转场特效。

可拆换横推（Crossfader）及影像/声音横推切换

Crossfader (横推)可轻易拆换，横推并有专属的曲线调整控制功能，以符合不同的表演习惯与风格，可调整成Scratch专用或是电音混音用。除此之外，设计可切换Video/Audio Crossfader 功能，以满足Video DJ需求。

108个控制元件满足专业需求

包含76个按键，5个推子，19个旋钮，6个带按键旋钮，6个Encoder，2个触控感应转盘。满足不同DJ软件及专业DJ的控制需求。

特 色

Play/Pause，CUE，Cue Play 大型橡胶按键

针对常使用的三个按键Play/Pause，CUE，Cue Play，设计成大型橡胶按键，除增加操作时的方便性与准确性，橡胶按键的使用大幅增加按键的品质与耐久性。

- 输入：Line/Phone x 2 (RCA), MIC x 2 (6.3mm), Aux x 1, USB type B x 1
- 输出：主输出× 2（平衡式和非平衡式），Booth x 1，耳机 x 2 (3.5mm and 6.3mm)
- 内建音效卡
- 交叉推子有曲线调节旋钮，且便于更换
- 每个通道均有3-Band EQ旋钮及EQ输出kill功能
- 支持MP3播放机和平板电脑Aux输入
- 麦克风输入有单独音量控制
- 监听耳机有单独音量控制及混音控制
- 支持6.3mm和3.5mm两种规格的耳机插口
- 双排十格的电平指示灯
- DVS模式可支持时间码打碟软件
- 绑定VirtualDJ软件
- 绑定可降低延迟的ASIO驱动程式
- 直观的介面设计，支持4个通道的切换控制
- 配有高解析度触控转盘
- 每个转盘均有灵敏度调节旋钮
- 耐用的大尺寸Cue键、Play键和Cue Play键
- 打VirtualDJ软件时双功能交叉推子（音讯/视频交叉推子）
- 每个机台均有4个音效控制旋钮和4个音效控制按键
- 样本音通道或样本音库均有独立的8个样本音按键
- 机台两边的SHIFT按键，可以协助控制按键的第二种功能
- 功能设置软件和韧件的版本可更新
- 108个控制元件，包括76个按键、19个旋钮、6个编码器、5个推子和2个转盘
- 可以完美的控制最新的DJ软件功能，包括循环录制功能和样本音功能
- 可以控制视频打碟软件的视讯转换和视频特效

软件安装指示

WINDOWS操作系统安装ASIO DRIVER软件

在你开始使用C50之前，必须先安装ASIO驱动程式。ASIO驱动程式能够让延迟降低到10ms以下。你可以利用电脑中”控制面板(Control Panel)”来调整控制C50的设定，设定方式如以下描述。

PC最低系统需求

- Intel Pentium II 450MHz CPU 或者是 AMD CPU（建议配备Pentium III CPU with 600M MHz）
- Windows 98SE, ME, 2000, XP, Vista 和 Windows 7 作业系统或更新的版本
- 一个可使用的USB 插口
- 至少 128MB 内存
- 应用程式必须支援ASIO

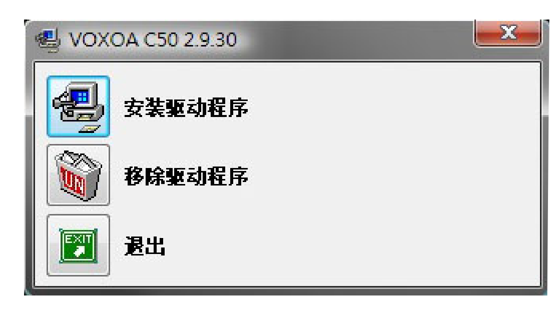
安装步骤:

步骤1: 放入安装光盘，或下载安装程式，执行 Setup.exe 开始准备安装

步骤2: 选择所需的语言版本，选择完成按“OK”确认

VOXOA C50 2.9.30
Please choose your language below:
简体中文 (Simplified Chinese)
OK
Cancel

步骤3: 选择“安装驱动程序”开始安装ASIO



步骤4: 按照安装屏幕的提示进行安装

步骤5: 计算机必须重新启动以便完成安装程序，按“立即重新启动”。
如果您不想现在重新启动系统的话，请按“稍后重新启动”。



注 意 :安装完成，必须要重新启动才算完成整个安装步骤。

WINDOWS操作系统安装VIRTUALDJ软件

电脑系统要求

• 最低系统配置要求：

-Intel® 奔腾®4 处理器或AMD Athlon™ XP处理器
-1024x768解析度
-DirectX兼容声卡
-512MB内存
-硬盘可用空间50MB

• 建议系统配备：

-Intel® 酷睿2 处理器或AMD Athlon™ X2处理器
-1280x1024解析度
-多通道DirectX 可兼容声卡
-1024MB内存
-硬盘可用空间200MB

• 视频混音的额外要求：

-2048MB (2GB)内存
-配有256MB专用DDR3内存的ATI™或 NVIDIA®显卡
-显卡必须支持双显示屏输出

• 支持的操作系统:

-最低: 微软Windows XP SP3或更新版电脑操作系统
-建议:微软 Windows 7专业版32位元电脑操作系统
-不支持微软Windows 95, 98, ME,或更旧版电脑操作-系统

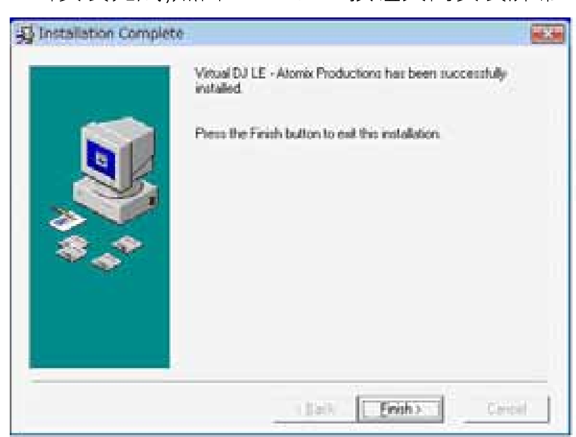
使用CD光盘按以下步骤安装DJ软件“VirtualDJ”

步骤1: 将安装光盘插入电脑。

步骤2: 双击“install _virtualdj_le.exe”执行安装程序

步骤3: 按照安装屏幕的每一步提示进行安装

步骤4: 当安装完成,点击“Finish”按钮关闭安装屏幕



步骤5: 双击桌面上生成的VirtualDJ 图标，然后根据指示输入产品序列号



注 意 ：

产品序列号印刷在光盘盒的背面。

关于如何使用这款DJ软件，请参见DJ软件里的安装手册或帮助功能选单。

VirtualDJ是Atomix生产的软件。要安装及使用这款软件，您必须接受软件许可权益。锋梭公司对您在在安装和使用VirtualDJ 软件时导致的任何电脑和其他软件问题不承担责任。

苹果操作系统安装VIRTUALDJ软件

电脑系统要求

- 最低系统配置要求：
  - -英特尔处理器
  - -苹果操作系统X v10.5.x版本
  - -1024x768解析度
  - -Core Audio兼容声卡
  - -1024MB内存
  - -硬盘有50MB可用空间

- 建议系统配备：
  - -英特尔处理器
  - -苹果操作系统X v10.6.x版本
  - -1440x900解析度
  - -多通道兼容声卡
  - -2048MB (2Gb) 内存
  - -硬盘有200MB可用空间

- 视频混音的额外要求：
  - -有256MB专用DDR3内存的ATI™或 NVIDIA®视频芯片集
  - -视频必须支持双显示屏输出

- 支持的操作系统及处理器平台:
  - -最低:英特尔处理器平台,苹果操作系统X v10.5 Leapord版本
  - -建议:特尔处理器平台,苹果操作系统X v 10.6.x Snow Leapord版本系统
  - -不支持Apple® Mac OS X 10.4.x Tiger或更旧版本
  - -不支持Motorola® (PowerBook® G4)处理器平台或更旧版本

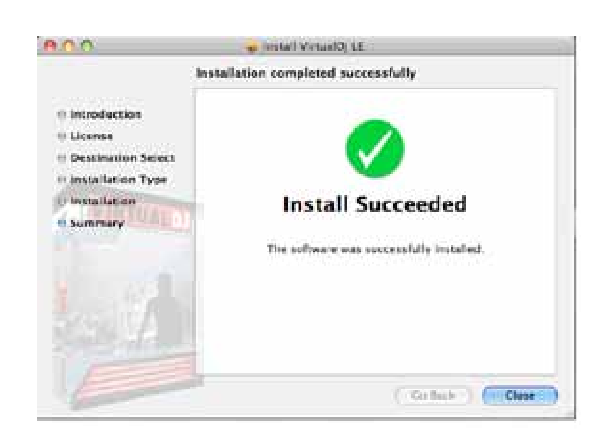
使用CD光盘按以下步骤安装DJ软件“VirtualDJ”

步骤1: 将安装光盘插入电脑。

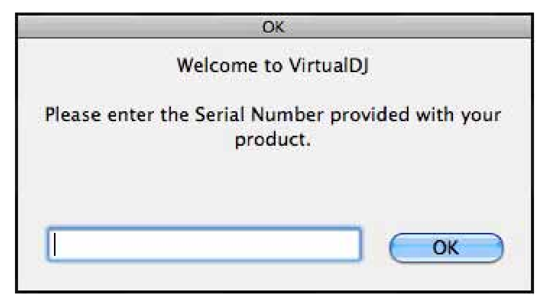
步骤2: 双击“install _virtualdj_le.exe”执行安装程序

步骤3: 按照安装屏幕的每一步提示进行安装

步骤4: 当安装完成,点击“Close”按钮关闭安装屏幕



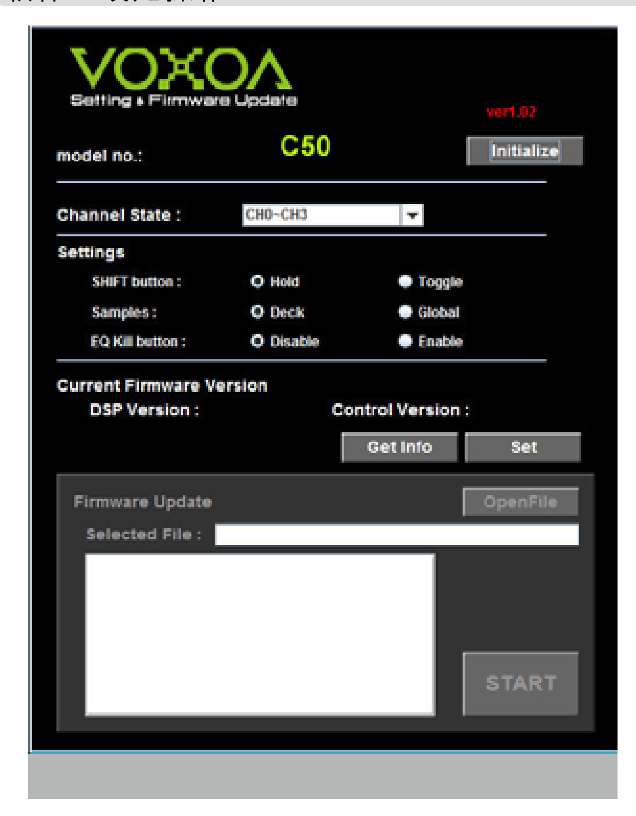
步骤5: 首次运行VirtualDJ软件时必须有产品序列号



注 意 ：产品序列号印刷在光盘盒的背面。

有两种方式可以设定C50的功能，一为透过电脑中VOXOA设定与更新软件(VOXOA Settings and Update)，另一为直接在C50上控制设定。

软件上设定操作



初始化 (Initialize)

将程序初始化，以便取得控制器的产品名称。

通道设定 (Channel)

设定控制器通道，内定值为通道0~3。

功能设定 (Settings)

C50可依照操作的需求，可分别设定以下功能

- **SHIFT 按键**
  按下或按住SHIFT按键可启动控制元件的第二种功能。有两种SHIFT按键的模式。一是HOLD模式，必须一直按住SHIFT不放，直到动作操作完成为止。另一为Toggle 开关模式，按一次启动控制元件的第二种功能，再按一次解除。

- **样本音(Samples)**
  不同的DJ软件针对样本音的设计有所不同，有的将样本因放总体的区块，有些放置在Deck的区块。

  总体的区块 (Global Section): 左右Deck的样本音设定在总体的区块，就像是交叉推子一样，不会因Deck的切换而改变通道。(例如VirtualDJ的设计)

  Deck区块: 切换Deck时，样本音的通道也随著改变，就像Deck中的一般控制元件一般。（例如Traktor的设计）

- **等化器全灭(EQ KILL)按键**
  按下等化器调整旋钮，可将等化器立即调整成-35 dB，依照你所习惯的操作需求，可设定此项按键功能的开启与关闭。

目前韧件版本(Current Firmware Version)

显示目前韧件版本，在更新韧件前请确认更新版版本是否正确。

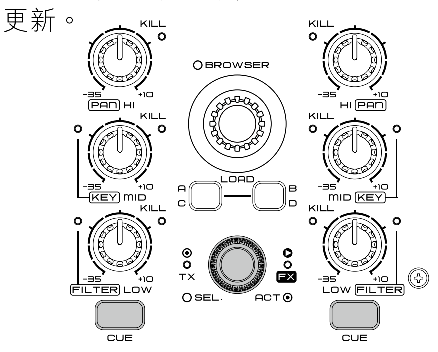
- **取得控制器设定(Get Info)**
  按下”Get Info”按键可取得目前C50的设定状况

- **设定(Set)**
  当你选择完成，必须按下”Set”按键，更新C50设定状况。

设定与韧件更新

韧件体更新

步骤1: 在打开VOXOA C50前，同时按住不放“Channel 1 Monitor Cue”，“Channel 2 Monitor Cue” 及“Center Encoder”三颗按键。然后再开启C50的电源，可发现在左边Hot Cue 1的LED亮，表示C50已经准备好做韧件的更新。



步骤2: 以滑鼠双击所下载的软件执行VOXOA设定及韧件更新程式(VOXOA Settings and Update)

步骤3: 点击“开启档案(Open File)”在你的电脑中选择韧件更新档案 (在VOXOA的官网上可取得最新韧件更新讯息)。

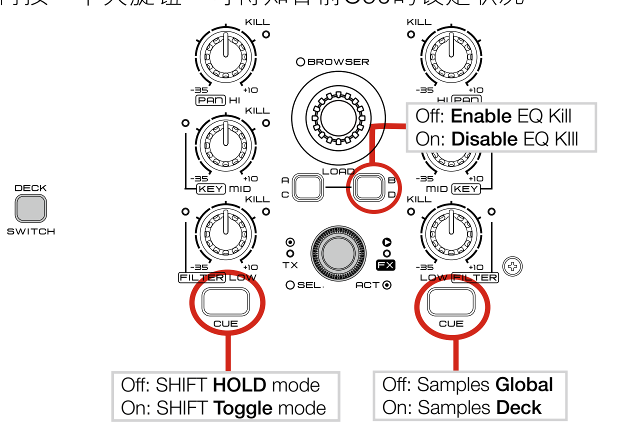
步骤4: 点击“开始(Start)”开始进行韧件更新。在韧件更新的过程中，可发现Hot Cue按键LED由左至右会依序发亮。

步骤5: 更新完成C50会自动重新启动。

透过机台设定操作

控制器设定状况

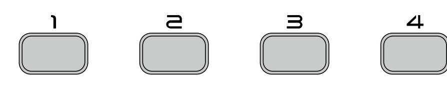
按住左边的“DECK SWITCH”按键三秒钟，按住不放再按“中央旋钮”可得知目前C50的设定状况。

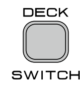


通道设定

按住左边的“DECK SWITCH”按键三秒钟，按住不放再按 Hot Cue 1到４按键可切换控制器通道。内定值为通道0~3。

Hot Cue 1设定控制器通道0~3
Hot Cue 2设定控制器通道4~7
Hot Cue 3设定控制器通道 8~11
Hot Cue 4设定控制器通道 12~15



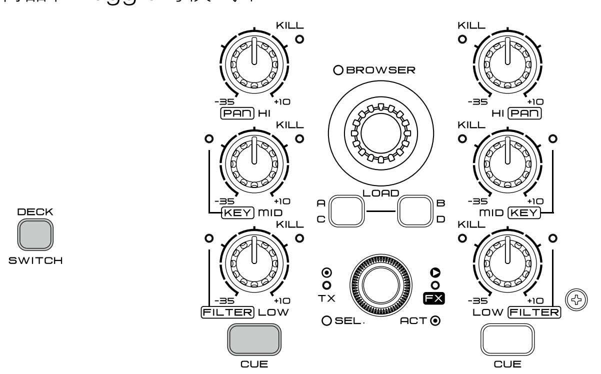


功能设定

C50可依照操作的需求，设定以下功能:

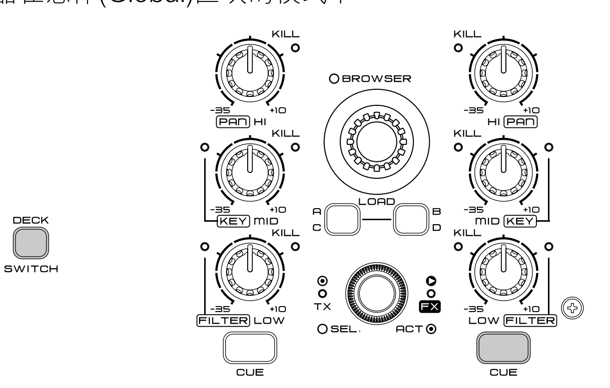
- **SHIFT键设定**

  按住左边的“DECK SWITCH”按键三秒钟，按住不放再按“Channel 1 Monitor Cue”切换SHIFT键的模式。内定值为“Hold”(按住不放)模式。在设定模式下“Channel 1 Monitor Cue”的LED若是亮，表示控制器在Toggle的模式下。



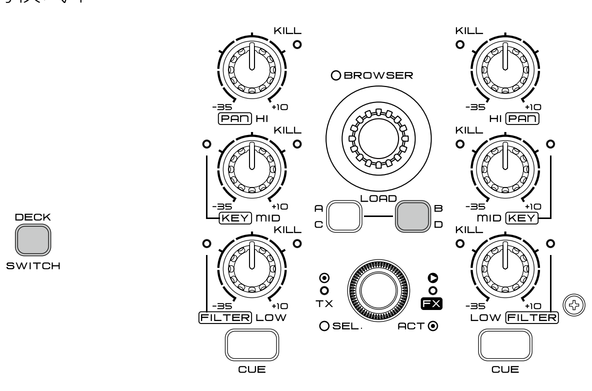
- **样本音设定**

  内定值为总体(Global)区块，按住左边的＂DECK SWITCH”按键三秒钟，按住不放再按 “Channel 2 Monitor Cue”切换样本音的模式。在设定模式下＂Channel 2 Monitor Cue ”的LED若是亮，表示控制器在总体(Global)区块的模式下。



- **等化器全灭(EQ KILL)按键**

  按住左边的＂DECK SWITCH”按键三秒钟，按住不放再按“Load B/D”切换EQ KILL按键的开启与关闭。内定值为”关闭”状态,在设定模式下＂Load B/D ”的LED若是亮，表示等化器全灭功能在”启动”的模式下。



音频设定

VIRTUALDJ音频介面设定

第一步: 点击VIRTUALDJ右上角的[CONFIG]



第二步:[Sound card] 栏选择[VOXOA C50 USB ASIO Driver]

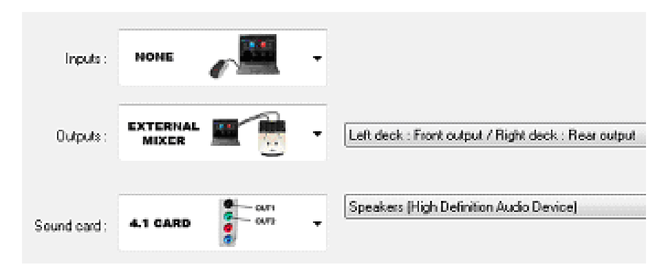


内部混音模式

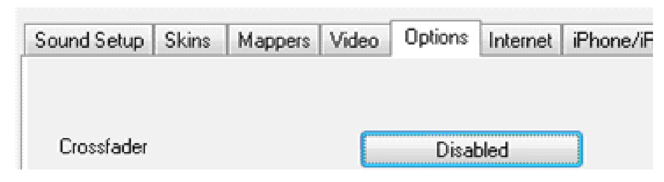
然后在[Outputs]栏选择[Master: Chan 1&2/ Headphones: Chan 3&4]。

外部混音模式

左边deck, 右边deck 独立输出
Inputs栏设定为None， Outputs 栏设定为External Mixer （外部混音），Sound card 设定为ASIO Driver，这是最为常用的设定。输出方面，左边Deck设定在Chan 1和2，右边deck为Chan 3和4。在这种设定下，通道1、2和通道3、4的输出将被连接到混音台上合适的Line输入通道



在这种情况下，务请知悉：当使用外部混音模式时，VIRTUALDJ的内部混音是不必要的。更重要的是，你必须取消VIRTUALDJ的内置crossfader, 已确保输出信号100%的提供到每个分配的deck输出。要取消内置crossfader, 请点选设置框上方的Options，然后点选Crossfader选择按键，直到出现Disabled字样。



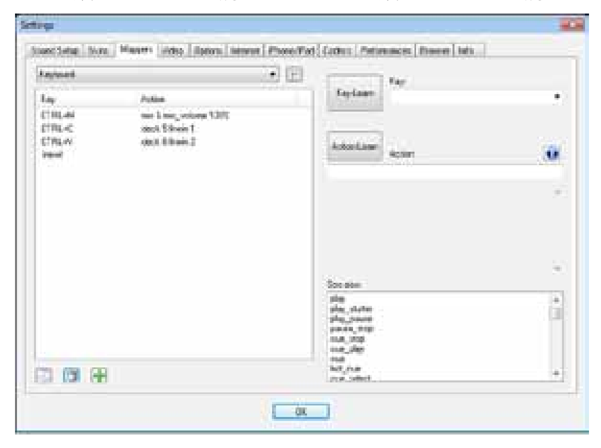
中文

LINE输入模式

VIRTUALDJ也可设定为将声卡的LINE输入传输到软件介面。如下图所示，使用的声音设定是将Inputs设定为LINE-Ins。



然后通过指定VIRTUALDJ脚本(Script)的动作“linein”到可用的deck，以line输入形式传输的信号将会通过VIRTUALDJ在deck上显示节奏波纹及动态BPM显示。合适的VIRTUALDJ脚本语法是“deck # linein #” — 用合适的deck和line的数码代替#符号。例如：分别把deck 5指定到line 1输入，deck 6指定到line 2输入。

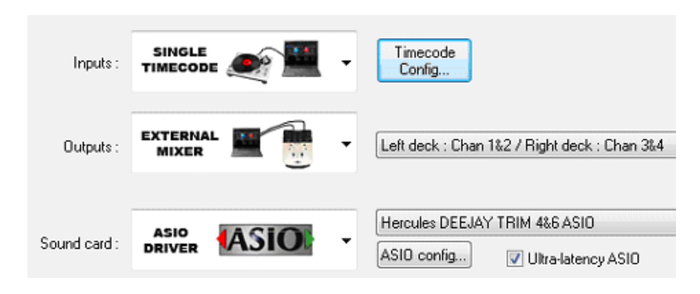


DVS模式（用时间码黑胶碟或CD）

时间码设定也可用于外部混音模式。要设定VIRTUALDJ使用时间码胶碟或CD，将Inputs选项改为Timecode。

时间码（单边deck）设定

要使用单边时间码音源，在Input下拉键选单Single Timecode。



时间码（双边deck）设定

两边都要使用时间码输入音源的话，在Input下拉键选择Timecodes。

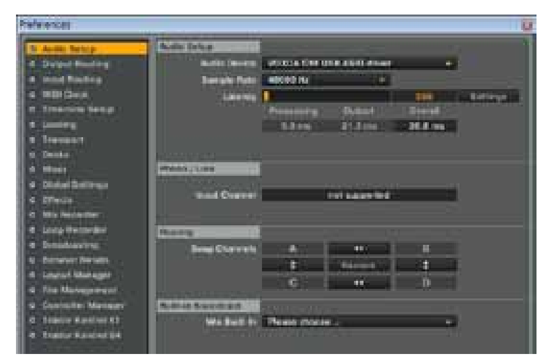
就如同改变输出设定一样，若是输入音源连接不正确，你也可以在Input下拉键改变设定，从Chan 1&2: Left Deck（左边deck） / Chan 3&4: Right Deck（右边deck）变成Chan 1&2: Right Deck（右边deck） / Chan 3&4: Left Deck（左边deck）。



音频设定

TRAKTOR音频介面设定

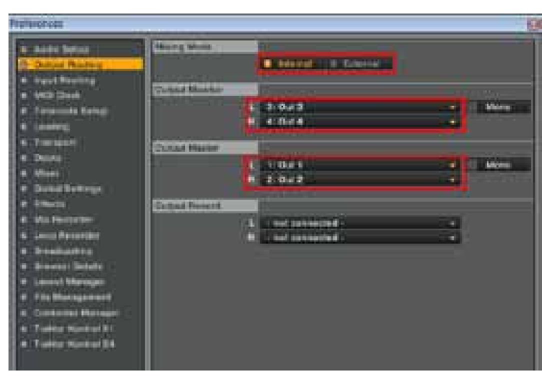
1.打开Preference设定选单（点选画面右上角看起来像个齿轮的图标）。
2.点选左上角的[Audio Setup]。



3.点击[Audio Device]，选择[VOXOA C50 USB ASIO Driver]。
4.打开Output Routing。

内部混音模式

设定“Mixing Mode”为[Internal]



设定 “Output Monitor” (监听输出)

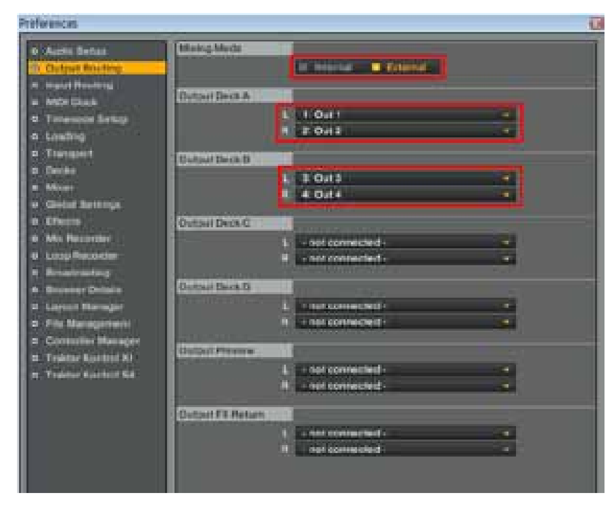
	Windows	MAC OS
RCA Left	OUT 3	3: Back Left
RCA Right	OUT 4	4: Back Right

设定 [Output Master] (主输出)

	Windows	MAC OS
RCA Left	OUT 1	1: Front Left
RCA Right	OUT 2	2: Front Right

外部混音模式

设定 “Mixing Mode” 为 [External]

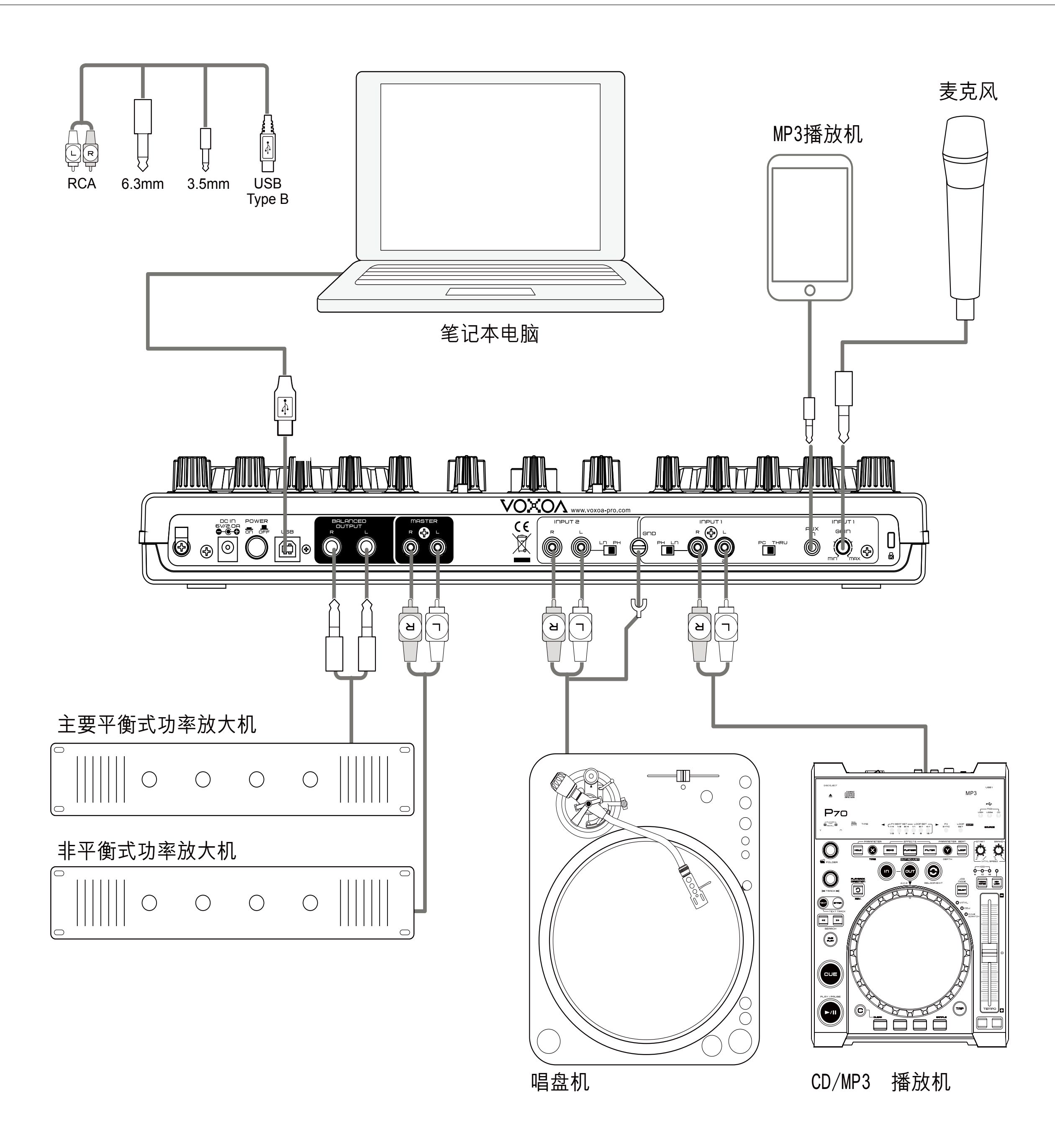


设定 [Output Monitor] (监听输出)

	Windows	MAC OS
RCA Left	OUT 1	1: Front Left
RCA Right	OUT 2	2: Front Right

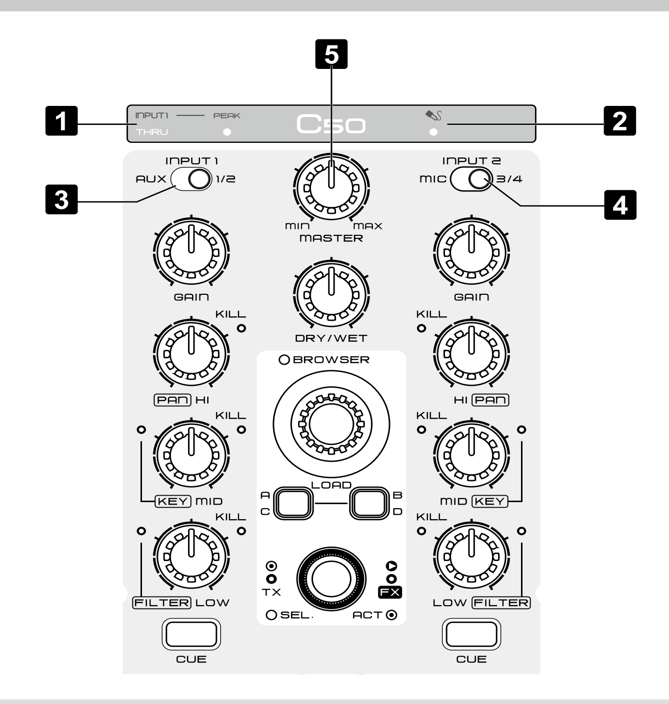
设定“Output Master” (主输出)

	Windows	MAC OS
RCA Left	OUT 3	3: Back Left
RCA Right	OUT 4	4: Back Right


RCA
6.3mm
3.5mm
USB
Type B
笔记本电脑
MP3播放机
麦克风
VOXOA www.voxoa-pro.com
主要平衡式功率放大机
非平衡式功率放大机
唱盘机
CD/MP3 播放机

部件名称与功能

混音器



1. INPUT 1输入状态指示

INPUT 1 Thru是否启动，当THRU启动时，可将INPUT 1输入音源直接经由MASTER输出。 当输入超过2V，PEAK指示灯会亮。

2. MIC 输入状态指示

灯号亮指示麦克风启动。

3. INPUT 1输入切换开关

可切换输入为 AUX 或是LINE/PHONO 1。声卡输入通道为1/2。

4. INPUT 2输入切换开关

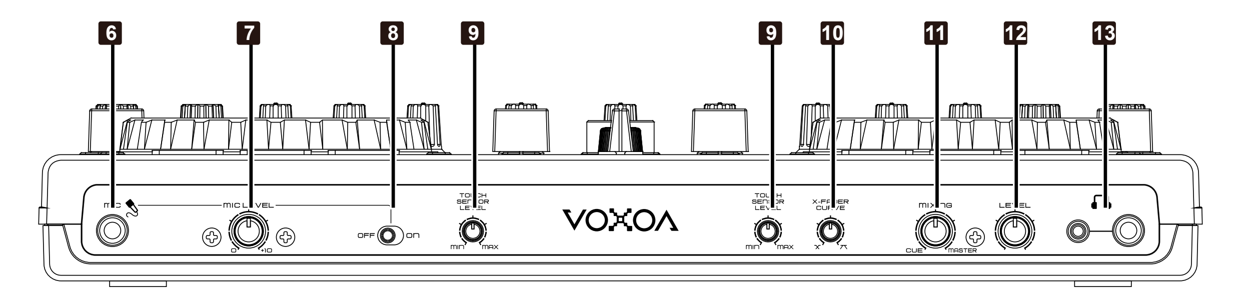
可切换输入为MIC 或是LINE/PHONO 2。声卡输入通道为3/4。

5. 主输入音量控制

此旋钮用来控制主要输出的音量大小。
为了避免过大的音量而造成喇叭的损害，当要启动本混音器时，请先确定调整主输出音量控制到0的位置。

部件名称与功能

前面板



6. 麦克风 (MIC) 插口

可插入标准的1/4” 麦克风插头。麦克风的音量由音量控制旋钮1所控制。

7. 麦克风音量调整

调整麦克风的音量大小。

8. 麦克风 开启/关闭

设定控制麦克风的开启与关闭。

9. 触控感应控强度控制

调整转盘的触控灵敏度。

10. 交叉推子曲线调整

用来调整交叉推子的曲线斜率。顺时针转时，缩短渐变的时间，转到底时可直接cut off。逆时针转时，延长渐变的时间，在正中间时50/50混音。

11. 麦克风 开启/关闭

设定控制麦克风的开启与关闭。

12. 触控感应控强度控制

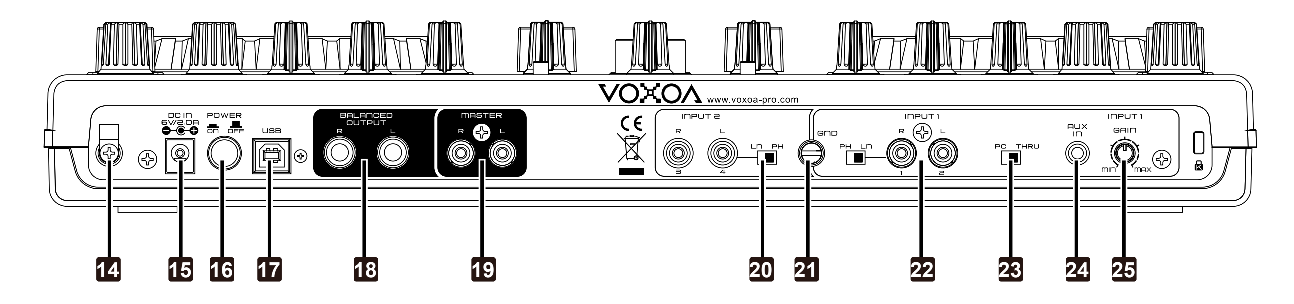
调整转盘的触控灵敏度。

13. 监听耳机插口

用来连接监听耳机。有两种尺寸选择6.3 mm及3.5 mm。

部件名称与功能

后背板



14. 电源线固定锁
固定电源线，避免电源线意外脱落。

15. 电源线插口
使用电源线来连接电源插座与本混音器。只能使用6V 2.0A -◐+ 。不需接外部电源，直接使用USB供电也可使用的直流电源。

16. 电源开关
用来控制主要电源的开启与关闭。

17. USB MIDI插口
利用所附的USB连接线与计算机相连接。这个插口可用来当作MIDI讯号指定用，可用来控制电脑软件。当与电脑连接时，不需要驱动程式，电脑系统会自动辨。

18. 平衡式XLR主音量输出插口
这个XLR插口送出高电流平衡输出讯号。
注 意 : 这个插口需用于连接推动具有平衡式输入的功率放大器或是音讯设备。或是当讯号线长度超过15英尺时。

19. 主音量输出RCA插口
此插口送出一组低电流非平衡式的输出讯号。
注 意 : 此组插口只能使用在短距离的连接，超过15英尺时必输使用平衡式输出。

20. 通道输入LINE/PHONO切换开关
连接唱盘机时，此开关务必切换至 “PHONO” ，连接 CD播放机等，此开关务必切换至 “LINE”
注 意 : 在切换LINE/PHONO 开关前，务必关闭电源开关。

21. 接地端子
连接唱盘机时，务必将唱盘机的接地线与此接地端子连接，因为可减低唱针头所造成的哼声及杂讯。

22. 输入插口

装备有MM读取唱针的唱盘(所有DJ唱盘机均使用MM读取唱针)可透过此插口连接，LINE/PHONO 选择切换开关必须切换到 “PHONO” 的位置。CD播放机，卡带播放机及其他线性等级的设备连接此插座，必须切换开关在“LINE”的位置时，才能使用。输入音量可经由输入增益 (GAIN)调整旋钮所控制。

23. INPUT 1 PC/THRU切换开关

当切换到PC时，INPUT 1的声音会经由声卡到电脑。当切换到THRU时，INPUT 1的声音直接由MASTER输出。

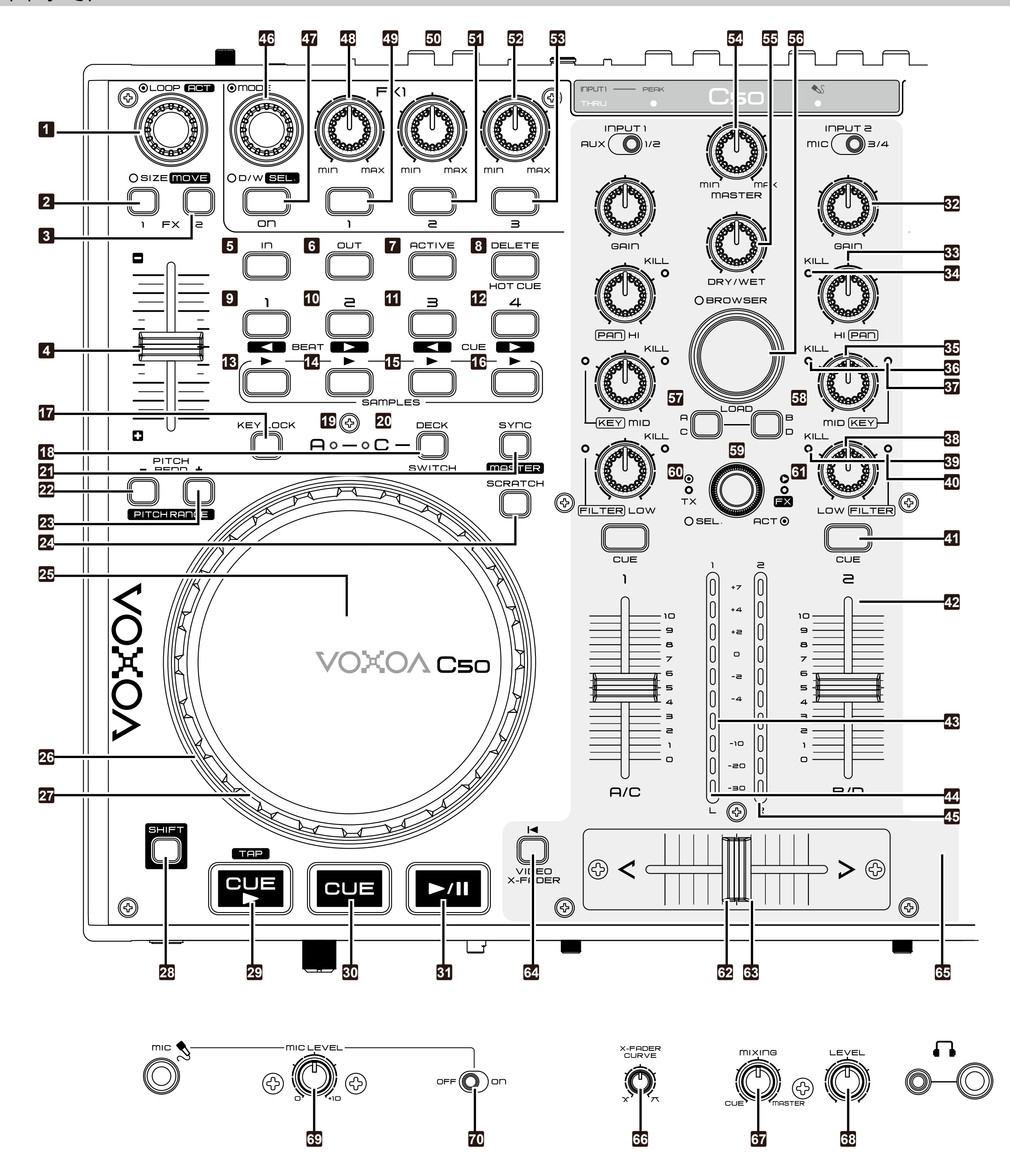
24. AUX 插口

可外接CD播放机，MP3播放机，触控平板电脑或其他 LINE音源设备。在输入音源选择开关必须切换到”AUX”的位置。

25. INPUT 1 输入音量调整

调整INPUT 1的输入音量大小，当超过 2 V时，面板上PEAK指示灯会发亮。

功能图索引


LOOP ACT
MODE
FX1
min max
SIZE MOVE
D/W SEL.
on
1 FX 2
IN
OUT
ACTIVE
DELETE
HOT CUE
BEAT
CUE
SAMPLES
KEY LOCK
DECK
SWITCH
SYNC
MASTER
PITCH BEND
PITCH RANGE
SCRATCH
VOXOA C50
SHIFT
TAP
CUE
CUE
VIDEO X-FADER
INPUT 1
AUX 1/2
INPUT 2
MIC 3/4
MASTER
GAIN
KILL
DRY/WET
BROWSER
PAN HI
KEY MID
FILTER LOW
LOAD
TX
SEL.
ACT
FX
A/C
B/D
MIC
MIC LEVEL
OFF ON
X-FADER CURVE
MIXING
CUE MASTER
LEVEL

操作与功能

No.	控制项目	说　明	SHIFT + 说　明
1	Auto Loop 按键	设定或移除循环播放	无
	Auto Loop 旋钮	设定循环播放的长度	往前/后移动循环(Loop) 4拍
2	FX1 on	启动/停止 ECHO 音效	启动 BREAK 音效
3	FX2 on	启动/停止 FLANGER 音效	无
4	Pitch 推子	调整设定Pictch	无
5	IN 循环播放起点	设定循环播放起点，循环播放中立即由起点播放	循环播放中，SHIFT+ Loop IN，IN 的LED闪烁，转动转盘可调整IN点的位置。再按一次SHIFT+Loop IN 完成设定
6	OUT 循环播放终点	设定循环播放终点，循环播放中离开循环播放	循环播放中，SHIFT+ Loop OUT，OUT 的LED闪烁，转动转盘可调整OUT点的位置。再按一次SHIFT+Loop IN 完成设定。
7	Active 循环播放启动	启动循环播放	循环播放中，SHIFT+ Ａctive，Active LED闪烁，转动转盘可移动循环播放位置。再按一次SHIFT+Ａctive完成设定。
8	Delete 清除热键	清除热键(Hot Cue) 按住不放再选择所要清除的热键	在 4 个Deck的模式下，可切换Deck 显示PLAYER（播放）/LOOPS（循环播放）/EFFECTS(音效)
9	Hot Cue 1 热键 1	设定与播放热键(Hot Cue) 1	返回移动歌曲 4 拍
10	Hot Cue 2 热键 2	设定与播放热键(Hot Cue) 2	往前移动歌曲 4 拍
11	Hot Cue 3 热键 3	设定与播放热键(Hot Cue) 3	跳往前一个Cue点
12	Hot Cue 4 热键 4	设定与播放热键(Hot Cue) 4	跳往下一个Cue点
13	Sample 样本音 1/5	左Deck播放样本音(Sampler) 1/右 Deck 播放样本音(Sampler) 5	样本音Stutter播放(播放中立即从头播放)
14	Sample 样本音2/6	左Deck播放样本音(Sampler) 2/右 Deck 播放样本音(Sampler) 6	样本音Stutter播放(播放中立即从头播放)
15	Sample 样本音 3/7	左Deck播放样本音(Sampler) 3/右 Deck 播放样本音(Sampler) 7	样本音Stutter播放(播放中立即从头播放)
16	Sample 样本音 4/8	左Deck播放样本音(Sampler) 4/右 Deck 播放样本音(Sampler) 8	样本音Stutter播放(播放中立即从头播放)
17	Key Lock 音调锁定	启动音调锁定功能(音调不因Picth改变而变化)	无
18	Deck Switch 切换	切换操作Deck A/C及B/D	无
19	Deck A (B) Led	显示目前操作的Deck A （Deck B)	无
20	Deck C (D) Led	显示目前操作的Deck C （Deck D)	无
21	Sync/Master	歌曲节拍同步功能	设定为Master Deck，其他Deck将以Master Deck为节拍同步依据

中文

No.	控制项目	说　明	SHIFT + 说　明
22	Pitch Bend -	Picth调整减慢	设定Pitch调整范围 100% ,16%, 10%, 6%
23	Pitch Bend +	Picth调整增快	设定Pitch调整范围 6%, 10%, 16%, 100%
24	Scratch 刮盘模式	设定转盘为刮盘模式	按住不放歌曲倒播，放手即恢复正常播放
25	Jog Wheel touch	触控转盘表面	无
26	Jog Wheel 转盘	触控转盘。外圈可调整Pitch	快速搜寻功能
27	Jog Wheel Rim	转盘外缘可做Pitch Bend	无
28	SHIFT	与其他控键元件组合，可启动第二控制功能(当启动第二功能时，第一功能灯号回熄灭)	无
29	Cue Play	回到Cue点，放手立即播放	手动节拍计算功能
30	Cue	设定Cue，按住不放可播放	自动回到歌曲的第一个节拍点
31	Play/Pause	播放/暂停键	立即与播放中的Deck节拍同步播放
32	Gain	调整通道增益	无
33	EQ High	调整等化器高音	无
34	EQ High Kill	等化器高音静音	无
35	EQ Mid	调整等化器中音	改变歌曲音调
36	EQ Mid Kill	等化器中音静音	启动/关闭音调锁定
37	Channel Key On	显示Key Lock	无
38	EQ Low	调整等化器低音	调整FILTER
39	EQ Low Kill	等化器低音静音	启动/关闭 FILTER功能
40	Filter On	显示FILTER启动中	无
41	Monitror Cue	选择耳机监听通道	左耳机监听: 开启混音器(Mixer)视窗　右耳机监听: 开启视频(Video)视窗
42	Channel Fader	调整通道音量	无
43	Channel Meter	通道电平显示	无
44	Master Meter Left	主输出左通道电平显示	无
45	Master Meter Right	主输出右通道电平显示	无
46	FX ENC 按键	启动/停止样本音(Sampler)录音	播放所选择的样本音
	FX ENC	选择音效	选择样本音，若样本音已启动，可调整样本音音量
47	FX ON 按键	启动所选择的音效(样本音录音中,LED闪烁)	播放所选择的样本音
48	FX 旋钮 1	调整控制音效参数 1	无
49	FX 按键 1	控制音效按键 1 （所选择音效可控制才有作用）	播放中的样本音长度减半
50	FX 旋钮 2	调整控制音效参数 2	无
51	FX 按键 2	控制音效按键 2 (所选择音效可控制才有作用)	播放中的样本音长度倍增

No.	控制项目	说　明	SHIFT + 说　明
52	FX 旋钮 3	调整控制所选择的样本音	无
53	FX 按键 3	播放/停止所选择的样本音	所选择样本音Stutter播放 (播放中立即从头播放)
54	Master	调整主输出音量	无
55	Booth	调整视频特效(Video FX)参数	调整视频转换(Video transition)参数
56	Browser 浏览按键	在歌曲清单中，增加歌曲到播放清单(Playlist) 。在资料夹中,打开资料夹	启动/关闭全画面选歌模式
	Browser浏览旋钮	滚动选择	无
57	Load载入 A/C	载入歌曲到Deck A/C (LED指示歌曲载入状况)	切换歌曲选单视窗由folder, songs, playlist, sidelist切换
58	Load 载入B/D	载入歌曲到Deck B/D (LED指示歌曲载入状况)	切换歌曲选单视窗由folder, songs, playlist, sidelist切换
59	Video 视频控制按键	启动视频转换(Video transition)效果	启动/关闭视频特效(Video FX)
	Video 视频控制旋钮	选择视频特效(Video FX)	选择视频转换(Video transition)
60	TX (视频转换) LED	指示视频转换进行中	无
61	FX (视频特效) LED	指示视频特效(Video FX)启动中	无
62	音频交叉推子	音频交叉推子(横推)	无
63	视频交叉推子	视频交叉推子 (控制视频切换)	无
64	Video X-fader Active	启动视频交叉推子功能	启动视频转换到左Deck
65	Video X-fader link	连结音频交叉推子与视频交叉推子	启动视频转换到右Deck
66	Cross Fader Curve	调整交叉推子曲线	无
67	Cue Mixing	监听混音	无
68	Cue Level	调整监听耳机音量	无

MIDI 控制对应MIDI MAP (16进位)

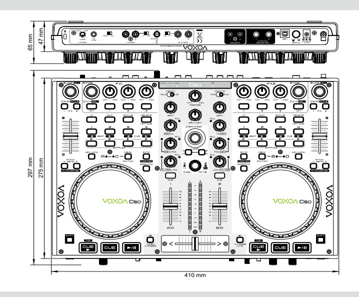
编号	控制项目	类型	SW Note	VR CC	LED Note	LED CC	SHIFT + SW Note	SHIFT + VR CC
1	Auto Loop	SW/ENC	1	1	--	--	33	1F
2	FX1 on	SW/LED	2	--	2	--	34	--
3	FX2 on	SW/LED	3	--	3	--	35	--
4	Pitch Fader	VR	En,0xll(LSB),0xmm(MSB)					
5	IN	SW/LED	4	--	4	--	36	--
6	OUT	SW/LED	5	--	5	--	37	--
7	Loop Active	SW/LED	6	--	6	--	38	--
8	Delete	SW/LED	7	--	7	--	39	--
9	Hot Cue 1	SW/LED	8	--	8	--	3A	--
10	Hot Cue 2	SW/LED	9	--	9	--	3B	--
11	Hot Cue 3	SW/LED	A	--	A	--	3C	--
12	Hot Cue 4	SW/LED	B	--	B	--	3D	--
13	Sample Deck 1(2) Slot 1	SW/LED	C	--	C	--	3E	--
14	Sample Deck 1(2) Slot 2	SW/LED	D	--	D	--	3F	--
15	Sample Deck 1(2) Slot 3	SW/LED	E	--	E	--	40	--
16	Sample Deck 1(2) Slot 4	SW/LED	F	--	F	--	41	--
17	Key Lock	SW/LED	10	--	10	--	42	--
18	Deck Switch	SW	11	--	--	--	43	--
19	Deck A (B) Led	none	--	--	--	--	--	--
20	Deck C (D) Led	none	--	--	--	--	--	--
21	Sync/Master	SW/LED	12	--	12	--	44	--
22	Pitch Bend -	SW/LED	13	--	13	--	45	--
23	Pitch Bend +	SW/LED	14	--	14	--	46	--
24	Scratch	SW/LED	15	--	15	--	47	--
25	Jog Wheel touch	SW	26	--	--	--	58	--
26	Jog Wheel	Enc	--	2	--	--	--	20
27	Jog Wheel Rim	none	--	--	--	--	--	--
28	SHIFT	SW/LED	2D	--	2D	--	--	--
29	Cue Play	SW/LED	16	--	16	--	48	--
30	Cue	SW/LED	17	--	17	--	49	--
31	Play/Pause	SW/LED	18	--	18	--	4A	--
32	Channel Gain	VR	--	3	--	--	--	21
33	Channel High	VR	--	4	--	--	--	22
34	Channel High Kill	SW/LED	19	--	19	--	4B	--
35	Channel Mid	VR	--	5	--	--	--	23
36	Channel Mid Kill	SW/LED	1A	--	1A	--	4C	--

							SHIFT +	
编号	控制项目	类型	SW Note	VR CC	LED Note	LED CC	SW Note	VR CC
37	Channel Key On	LED	--	--	26	--	--	--
38	Channel Low	VR	--	6	--	--	--	24
39	Channel Low Kill	SW/LED	1B	--	1B	--	4D	--
40	Channel Filter On	LED	--	--	27	--	--	--
41	Channel Cue	SW/LED	1C	--	1C	--	4E	--
42	Channel Fader	VR	--	7	--	--	--	25
43	Channel Meter	VR LED	--	--	--	2	--	--
44	Master Meter Left	VR LED	--	--	--	3	--	--
45	Master Meter Right	VR LED	--	--	--	4	--	--
46	FX1 (2) Enc	SW/ENC	1D	8	--	--	4F	26
47	FX1 (2) on button	SW/LED	1E	--	1E	--	50	--
48	FX1 (2) Knob 1	VR	--	9	--	--	--	27
49	FX1 (2) button 1	SW/LED	1F	--	1F	--	51	--
50	FX1 (2) Knob 2	VR	--	A	--	--	--	28
51	FX1 (2) button 2	SW/LED	20	--	20	--	52	--
52	FX1 (2) Knob 3	VR	--	B	--	--	--	29
53	FX1 (2) button 3	SW/LED	21	--	21	--	53	--
54	Master	VR	--	C	--	--	--	2A
55	Booth	VR	--	D	--	--	--	2B
56	Browser	SW/ENC	27	E	--	--	59	2C
57	Load A/C	SW/LED	22	--	22	--	54	--
58	Load B/D	SW/LED	23	--	23	--	55	--
59	Video Enc	SW/ENC	28	F	--	--	5A	2D
60	TX LED	LED	--	--	2E	--	--	--
61	FX LED	LED	--	--	2F	--	--	--
62	Audio Cross Fader	VR	--	10	--	--	--	2E
63	Video Cross Fader	VR	--	11	--	--	--	2F
64	Cross Fader Button1	SW/LED	24	--	24	--	56	--
65	Cross Fader Button2	SW/LED	25	--	25	--	57	--
66	Cross Fader Curve	VR	--	12	--	--	--	30
67	Cue Mixing	VR	--	13	--	--	--	31
68	Cue Level	VR	--	14	--	--	--	32

规 格

1. 一般规格

电源 : DC6V, 2.0A
耗电量 : 12WATTS
尺寸 : 410 (W) X 297 (D) X 65 (H) mm
重量 : 3.2 kg



2. 输入/输出 阻抗与灵敏度 (最大增益，负载=100K)

- 输入阻抗与输入音量

LINE:	47K OHM /0dBV
PHONO:	47K OHM /-50dBV
MIC:	10K OHM /-54dBV
AUX:	47K OHM /0dBV

- 输出阻抗

MASTER:	300 OHM
BALANCED:	600 OHM
PHONES (load=32 ohm):	10 OHM

3. 频率响应: (主音量最大增益，主输出0dB)

LINE:	20-20KHz +/-3dB
AUX:	20-20KHz +/-3dB
PHONO:	20-20KHz +1/-3dB (RIAA) (MASTER OUT -14dB)
MIC:	20-20KHz +2/-3dB

4. 总谐波失真加噪音: (主音量最大增益最大，主输出0dB，w/20kHz LPF，A-WEIGHTED)

LINE:	少于 0.05% @ 1KHz
AUX:	少于 0.05% @ 1KHz
PHONO:	少于 0.15% @ 1KHz
MIC:	少于 0.15% @ 1KHz

5. 最大输入: (主音量增益最大，1KHz，THD=1%，w/20kHz LPF，A-WEIGHTED)

LINE:	多于 +6dBV
AUX:	多于 +6dBV
PHONO:	多于 -30dBV
MIC:	多于 -35dBV

6. 最大输出: (主音量最大增益，1KHz，THD=1%，w/20kHz LPF，A-WEIGHTED)

MASTER:	多于 +6dBV (2V)

7. 信噪比: (主音量最大增益，主输出0dB，w/20KHz LPF，A-WEIGHTED)

LINE:	多于 80dB
AUX:	多于 80dB

PHONO: 多于 80dB
MIC: 多于 75dB

8. 分离度: (主音量最大增益，主输出0dB，w/20KHz LPF，A-WEIGHTED)

LINE: 多于 70dB
AUX: 多于 70dB
PHONO: 多于 70dB

9. 通道平衡: Within 2dB

10.USB部分: (SIGNAL FORMAT: MP3, 128KBPS, SONY SOUND FORGE8.0)

*1 (ASIO4ALL预设播放设备: C50 1/2 Windows Level At MAX. Out)
*2 (ASIO4ALL预设播放设备: C50 3/4 Windows Level At MAX. Out)
*3 (w/20KHz LPF A-WEIGHTED)

- 输入音量
  - MASTER OUT: 0dBV+/-1dB
  - BALANCE OUT: 2.22dBm +/-1dB
  - PHONES OUT: 0dBV+/-1dB*2
- 通道平衡 Within 2dB
- 频率影应
  - MASTER OUT: 17-16KHz +1/-3dB
  - BALANCE OUT: 17-16KHz +1/-3dB
  - PHONES OUT: 17-16KHz +1/-3dB*2
- 总谐波失真加噪音
  - MASTER OUT: 少于 0.05%
  - BALANCE OUT: 少于 0.05%
  - PHONES OUT: 少于 0.15%*2,*3
- 信噪比
  - MASTER OUT: 多于 80dB
  - BALANCE OUT: 多于 80dB
  - PHONES OUT: 多于 80dB*2,*3
- 分离度
  - MASTER OUT: 多于 75dB at 1KHz
  - BALANCE OUT: 多于 75dB at 1KHz
  - PHONES OUT: 多于 60dB at 1KHz*2,*3
- **录音与放音**: (LINE输入1KHz -8dBV，AUX输入1KHz -8dBV，PHONO输入1KHz -44dBV，MIC输入1KHz -48dBV 放音: MIC OFF *1,*3)

OUTPUT: 少于 -14dBV ± 2dB
THD+N:
LINE/AUX: 少于 0.05%
PHONO: 少于 0.15%
MIC: 少于 0.15%

注意：本手册中的规格及资讯如有变更，恕不另行通知，请上网下载最新版本

IMPORTANT SAFETY INSTRUCTIONS

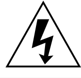
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use the apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/ accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug this apparatus during lighting storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. When the mains plug or appliance coupler used as the disconnect device, it shall remain readily operable.
16. Please keep the unit in a good ventilation environment.

WARNING

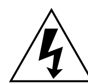
To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION : To reduce the risk of electric shock, do not remove any cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the use to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.

CAUTION

To prevent electric shock, do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

17. All warnings on the appliance and in the operating instructions should be adhered to.
18. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
19. Power Sources - This product should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer the operating instructions.
20. Grounding or Polarization - This product may be equipped with a polarized alternation-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
21. Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the cord in correspondence of plugs, convenience receptacles, and the point where they exit from the appliance.
22. For AC line powered units - Before returning repaired unit to user, use an ohm-meter to measure from both AC plug blades to all exposed metallic parts. The resistance should be more than 100,000 ohms.
23. Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
24. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
25. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped, or the enclosure damaged.
26. Servicing - The user should not attempt any service to the appliance beyond that that described in the operating instructions. All other servicing should be referred to qualified service personnel.
27. Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
28. Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
29. Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

FEATURES

INTUITIVE LAYOUT AND 4 DECKS CONTROL

Each side of the unit can control up to two decks with visible deck color change for intuitive, straightfoward operation. Maximum 4 decks control by switching through with the DECK selector.

BUILD-IN SOUND CARD

The VOXOA C50 includes a high quailty 16bit/48kHz, 2in/2Out (Sterro) Audio interface which enables you to input and output high-quality sound.

Direct Audio THRU

Audio and AUX input and can be directly sent to the master outupt with the THRU (through) switch. In case when the computer crash you have backup plan for your performance.

TOUCH-SENSITIVE JOG WHEELS

The touch-sensitive Jog Wheels can accurately reproduce hand scratching effects of vinyl records. The Jog Sensor adjust knobs for speedy and accurate adjustments the C50's jog wheels have excellent tracking ability, and flexibility for various DJing sytles.

BUNDLE WITH VIRTUALDJ

It comes bundled with VirtualDJ, Audio/Video/Karaoke mixing software. The C50 is MIDI-mapable and compatible with other popular DJ programs. The unit interfaces seamlessly with Mac® OSX and Windows XP, Vista and Windows 7 operating systems.

Dual Headphone Jacks

There are two headphone Jacks 1/8 inch and 1/4 inch connection. That can satisfy different headphones in the market.

Replaceable Crossfader and Audio/Video Crossfader switchable

Easy replaceable crossfader design and crossfader curve adjustment provide professional different alternative. Moreover, the crossfader can be switch between Audio/Video crossfader for VIRTUALDJ DJing software.

108 Control Elements

The C50 Included 76 buttons, 5 faders, 19 knobs, 6 Encoders and 2 touch-sensitive jog wheels. The full function design can satisfy professionals' requirement.

FEATURES

- Inputs: Line/Phone x 2 (RCA), MIC x2 (6.3mm), Aux x1, USB type B x 1
- Outputs: Master x 2 (balanced and RCA), headphone x 2 (3.5mm and 6.3mm)
- Build-in sound card
- Matrix inputs select for diversity inputs
- Easy replaceable crossfader with curve adjust knob
- Three-band EQ with Full output kill function for each channel
- MP3 player and tablet pad friendly Aux input
- MIC with level control
- Headphone with level control and cue mixing
- Dual headphone jack 6.3mm and 3.5mm
- Dual 10 LED monitor display
- DVS direct mode for timecode DJing software
- Bundle with VirtualDJ
- Bundle with low latency ASIO driver
- Intuitive layout design and 4 Decks control
- Touch-sensitive jog wheels
- Jog wheels sensor adjust knobs for each wheel
- Durable large-size Cue, PLAY and Cue Play buttons
- Dual functions cross fader for VirtualDJ (Audio/Video Cross fader)
- Dual FX units control with 4 knobs and 4 buttons for each unit
- Independent 8 samples buttons for sample deck or sample bank
- SHIFT key in two sides for various dual-button operations
- Function setting software and firmware updatable
- 108 control elements included 76 buttons, 19 knobs, 6 encoders, 5 faders and 2 jog wheels
- Perfectly control the newest DJing software functions include loop recorder and sample deck
- Control Video transition and video effect for video DJing software

INSTALLING ASIO DRIVER FOR WINDOWS

Before you can use the VOXOA C50, you need to install its ASIO driver first. The ASIO lower latency to under 10 ms. you can configure the driver's settings using the Control Panel window. This tool and its options are explained following:

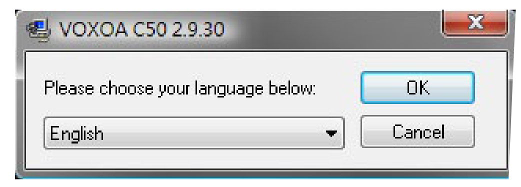
PC SYSTEM REQUIREMENTS (Minimum system requirements):

- Intel Pentium II 450MHz CPU or comparable AMD CPU(recommend at least a Pentium III CPU with 600M MHz) .
- Windows 98SE, ME, 2000, XP, Vista and Windows 7 operating system
- 1 available USB port
- At least 128MB RAM
- Software applications with ASIO support

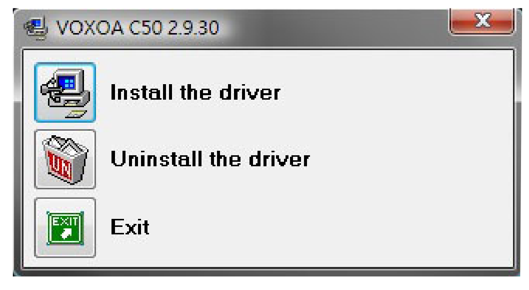
INSTALLATION:

Step 1: Place the installation CD in the CD-ROM drive of your computer and execute Setup.exe file.

Step 2: Select the desired language and click “Ok”



Step 3: Click “Install the driver”



Step 4: Follow the instructions from the installation windown and install the driver step bt step.

Step 5: In order to complete the installation it’s necessary to reboot the computer. Press [Reboot now], or press [Reboot later] if you don’t want to reboot your computer now.



INSTALLING VIRTUALDJ FOR WINDOWS

PC SYSTEM REQUIREMENTS

- Minimum system requirements:
  - -Intel® Pentium® 4 or AMD Athlon™ XP
  - -1024x768 resolution
  - -DirectX compatible soundcard
  - -512MB RAM
  - -50MB free on the hard drive
- RECOMENDED system requirements:
  - -Intel® Core™ 2 or AMD Athlon™ X2
  - -1280x1024 resolution
  - -Multi-channel DirectX compatible soundcard
  - -1024MB RAM
  - -200MB free on the hard drive
- Additional requirements for video mixing:
  - -2048MB (2GB) RAM
  - -ATI™ or NVIDIA® video card w/256MB of Dedicated DDR3 RAM
  - -Video card must support dual-screen output
- Supported Operating System:
  - -MINIMUM: Microsoft® Windows XP SP3 or newer
  - -RECOMMENDED: Microsoft® Windows 7 Professional 32-bit
  - -Microsoft® Windows 95, 98, ME, or older are not supported

INSTALLATION:

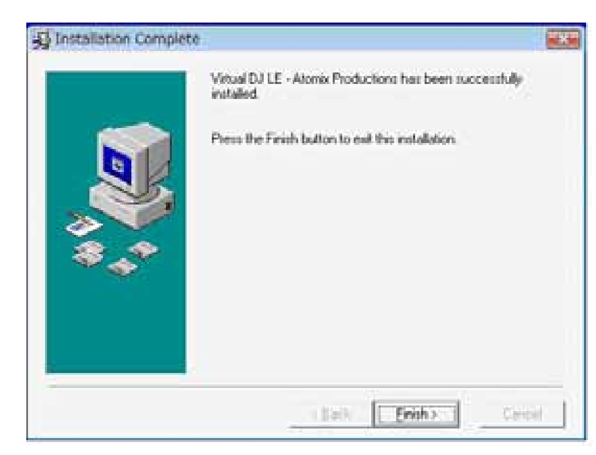
Use the following steps to install the DJ software "VirtualDJ" in the supplied CD-ROM.

Step 1: Insert the included installer disc to your computer.

Step 2: Double click "install_virtualdj_le.exe" to execute the installer

Step 3: Follow each step in the installation screen for installation.

Step 4: When the installation completes, click the "Finish" button to close the installation screen.



Step 5: Double click the VirtualDJ icon created on the desktop. And then follow the instructions on the to enter the product serial number.



NOTE :

The serial number is printed on the back of the CD-ROM case.

For information about how to use the DJ software, see the instruction manual for the DJ software or the help menu. VirtualDJ is an Atomix Productions software. To install and use the software, you have to accept the software license agreement. VOXOA Co. shall not be responsible for any problems with your computer and other software that may arise from the installation and use of VirtualDJ.

INSTALLING VIRTUALDJ FOR MAC OS

MAC SYSTEM REQUIREMENTS

- Minimum system requirements:
  - -Intel® processor
  - -Mac OS X v10.5.x
  - -1024x768 resolution
  - -CoreAudio compatible soundcard
  - -1024MB RAM
  - -50MB free on the hard drive
- RECOMENDED system requirements:
  - -Intel® processor
  - -Mac OS X v10.6.x
  - -1440x900 resolution
  - -Multi-channel CoreAudio compatible soundcard
  - -2048MB (2Gb) RAM
  - -200MB free on the hard drive
- Additional requirements for video mixing:
  - -ATI™ or NVIDIA® video chipset w/256MB of Dedicated DDR3 RAM
  - -Video must support dual-screen output
- Supported Operating System and Processor Platforms:
  - -MINIMUM: Mac OS X v10.5 Leapord on Intel processor platform
  - -RECOMMENDED: Mac OS X v10.6.x Snow Leapord on Intel processor platform
  - -Apple® Mac OS X 10.4.x Tiger or older are not supported
  - -Motorola® (PowerBook® G4) processor platform or older are not supported.

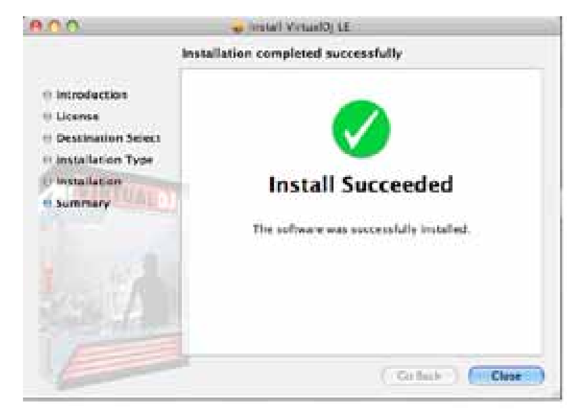
INSTALLATION:

Step 1: Insert the included installer disc to your computer.

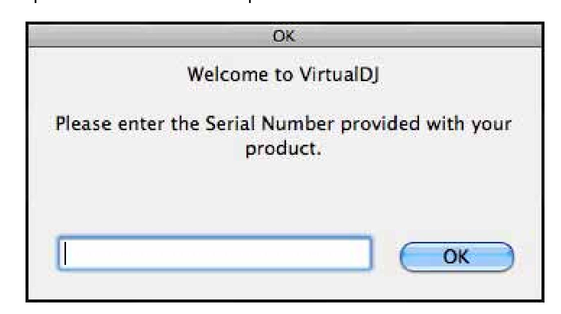
Step 2:Double click “install_virtualdj_le.exe” to execute the installer

Step 3:Follow each step in the installation screen for installation.

Step 4: When the installation completes, click the “Close” button to close the installation screen.



Step 5: The Serial Number is required when first starting VirtualDJ. The serial number for VirtualDJ is printed on bottom panel of C50.



Note: The serial number is printed on the back of the CD-ROM case.

There are two approaches to set the C50. One is setting through VOXOA Settings and Update software. The other is directly control by the hardware.

SETTING SOFTWARE



INITIALIZE

Initialize the program to get model no. of the device.

CHANNEL

To set the controller's channels. The default channels are Channel 1 to Channel 4.

SETTINGS:

Following functions you can set the VOXOA C50 by your requirements.

- **SHIFT button**
  Press or hold the SHIFT button you can access the secondary functions of other control elements. There are two modes for SHIFT button. The **HOLD** mode you have to press the button until you finished the secondary functions. Under the TOGGLE mode Press the button to active the secondary functions. Press the SHIFT button again to de-active the secondary functions.

- **Samples**
  Depend on different DJing software the samples could be on "Global" section or "**Deck**" section.

  Global section: The left deck and right deck sample buttons are in the Global Section like the crossfader. The channels of samples are not affected by the "DECK SWITCH button" and always keep the same channel.

  Deck section: When you change deck by "DECK SWITCH" button the channel of Samples will be changed as normal Deck control elements.

- **EQ KILL button**
  The EQ knobs have Full Kill Function by press the EQ knobs. You can switch On/Off the function by you DJing style.

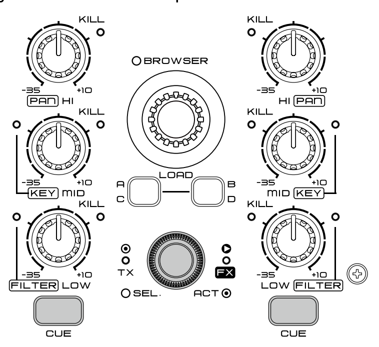
CURRENT FIRMWARE VERSION

To indicate the current firmware version of VOXOA C50. Before you update firmware for C50 you had better re-check the firmware version.

- **Get Info:** You can get the current setting info of the C50 by click the "Get Info" button
- **Set:** After you change the settings as you want. Click the "Set" button to finish the settings to the C50.

FIRMWARE UPDATE

Step 1: Before you turn on the VOXOA C50 please HOLD the “**Channel 1 Monitor Cue**”, “**Channel 2 Monitor Cue**” and “**Center Encoder**” at the same time, and then turn the power on. You can find the LED of Left deck “Hot Cue 1” is led. Right now the VOXOA C50 is ready for firmware update.



Step 2: To execute the VOXOA C50 Setting and Firmware Update program

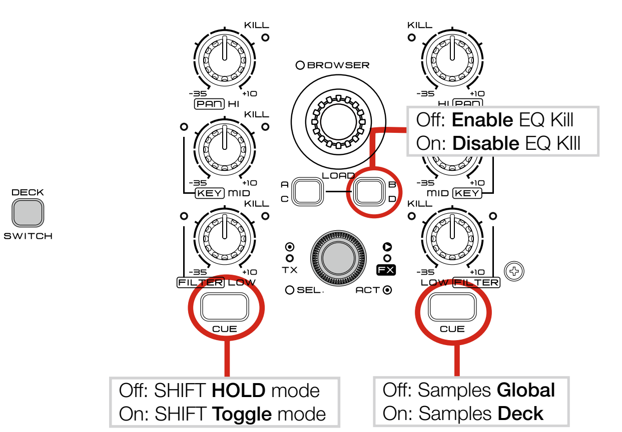
Step 3: Click the “Open File” button to select the firmware from your computer. (Please download the last firmware version of C50 from VOXOA website)

Step 4: Click the “Start” to begin the firmware update process. During the update process you can find the Hot Cut buttons will lead in sequence from left deck to right deck.

Step 5: After successfully update the firmware the C50 will automatically restart.

CHANGING SETTINGS THROUGH CONTROLLER

You can get the current settings info by hold the “Left DECK SWITCH” button for 3 seconds and press the “Center Encoder”



CHANNEL

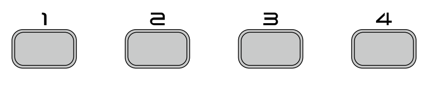
You can change channel by hold the LEFT DECK “DECK SWITCH” button for 3 seconds and press the Left Deck Hot Cue button 1 to 4. Default channel is Channel 1~4

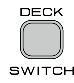
Hot Cue 1 for Channel 1~4

Hot Cue 2 for Channel 5~8

Hot Cue 3 for Channel 9~12

Hot Cue 4 for Channel 13~16

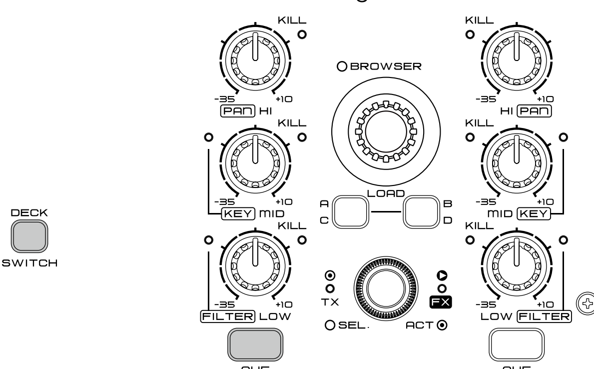




SETTINGS:

Following functions you can set the VOXOA C50 by your requirements.

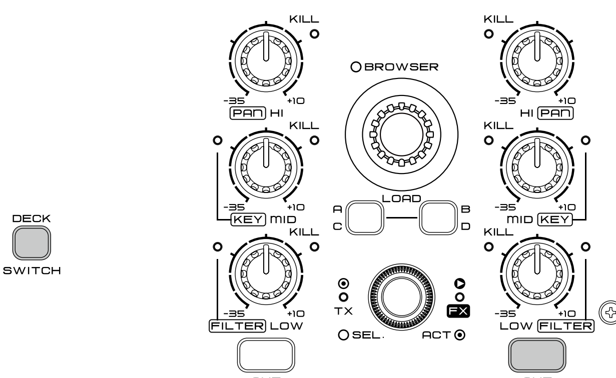
- **SHIFT button**
  You can change the SHIFT operation mode by hold the left deck “DECK SWITCH” button for 3 seconds and press the “Channel 1 Monitor Cue” button to switch the mode. Default setting is “HOLD” mode.



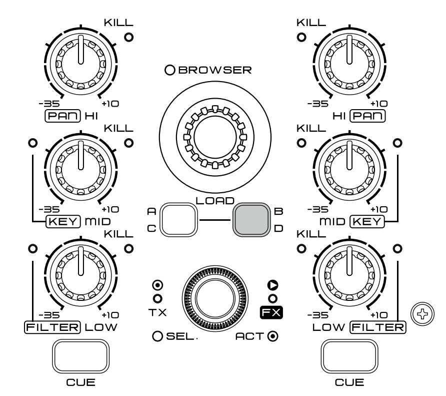


- **Samples**
  Default setting is “Deck” section. You can change the Samples setting by hold the left deck “DECK SWITCH” button for 3 seconds and press the “Channel 2 monitor Cue” button to switch the mode.





- **EQ KILL button**
  You can switch On/Off the EQ KILL function by hold the left deck “DECK SWITCH” button for 3 seconds and press the “Load B/D” button to switch the mode. Default setting is “Disable” the EQ Kill function.



AUDIO INTERFACE SETUP FOR VIRTUALDJ

Step 1: Click [CONFIG] located on the top right of VirtualDJ.



Step 2: Select [ASIO for C50 Driver] in the [Sound card] tab,



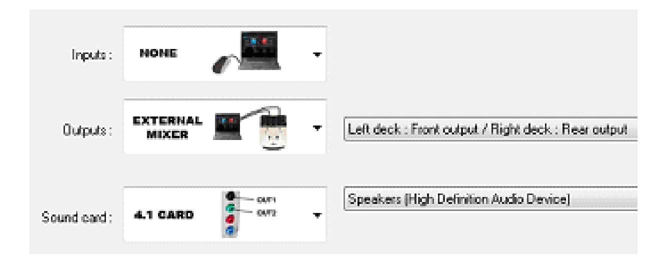
INTERNAL MIXER MODE

Then select [Master: Chan 1&2/Headphones: Chan 3&4] in the [Outputs] tab.

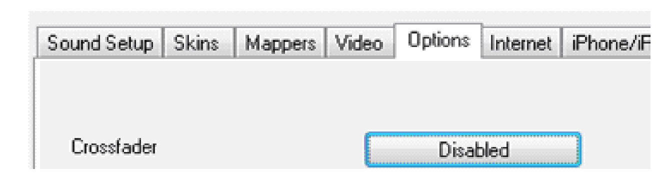
EXTERNAL MIXER MODE

Left deck and right deck on separate outputs

With Inputs set to None, Outputs set to External Mixer, and Sound card set to ASIO Driver; this is the most common configuration that will be used. For the Outputs the assignment is Left Deck: Chan 1&2 and Right Deck: Chan 3&4. In this configuration, connections from the 1&2 and 3&4 outputs of the DeeJay Trim are connected to the appropriate Line level input channels on the mixer.



In all these situations, it is important to understand that when using an external mixer; VirtualDJ's internal mixer is not necessary. Most importantly, you should disable VirtualDJ's internal crossfader to ensure 100% output is provided to each of the assigned deck outputs. Disabling the internal crossfader is done by selecting the Options tab from the configuration dialog, then clicking on the Crossfader option button until the word “Disabled” appears.



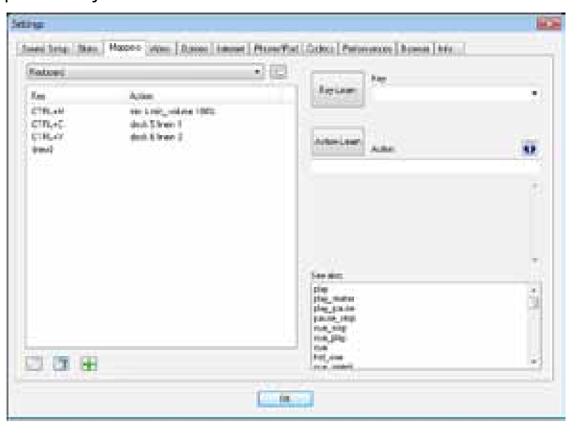
LINE INPUTS MODE

VirtualDJ can also be configured to pass the line inputs of the sound card through software interface. As depicted in the below images, the sound configuration being used is with the Inputs set to the LINE-INs option.



Then by assigning the VDJScript action “linein” to an available deck, the audio sent in on the line input will pass through VirtualDJ providing a rhythm wave display and dynamic BPM display on the deck.

The appropriate VDJScript syntax is “deck # linein #” – replacing the # symbols with the appropriate deck and line numbers. The example below is using a 6 deck skin and assigning decks 5 and 6 to line inputs 1 and 2 respectively.

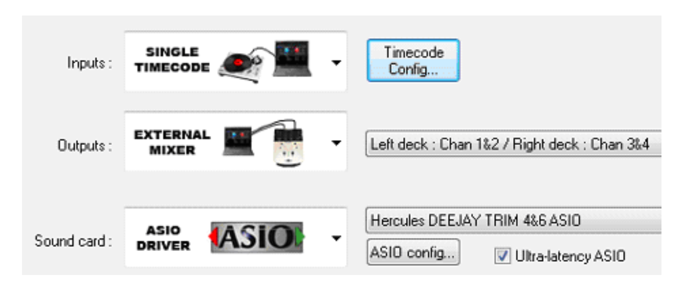


DVS MODE (with Timecode Vinyl or CDs)

Timecode setup can be used with either the External Mixer option. To setup VirtualDJ for use with Timecode Vinyl or CDs, change the Inputs option to Timecode.

TIMECODE (Single Deck) CONFIGURATION

For use with a single timecode source, chose the Single Timecode option from the Input drop-down.



TIMECODE (Dual Deck) CONFIGURATION

For use with 2 Timecode input sources, choose the Timecodes option from the Input drop-down.

Just like in changing the outputs around if the connections to the input sources are incorrectly connected, you can choose to reverse the settings from the input drop-down from Chan 1&2: Left Deck / Chan 3&4: Right Deck to Chan 1&2: Right Deck / Chan 3&4: Left Deck.



AUDIO INTERFACE SETUP FOR TRAKTOR

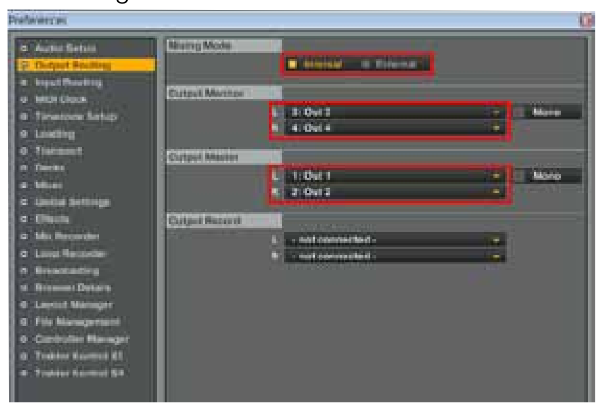
1. Open the Preference menu (click the icon on the right top of the screen that looks like a gear wheel).
2. Open “Audio Setup” located on the left top.



3. Click on the “Audio Device” box and choose “VOXOA C50 USB ASIO driver”
4. Open Output Routing

INTERNAL MIXER MODE

Set “Mixing Mode” as “Internal”



Set “Output Monitor” (Output to headphone)

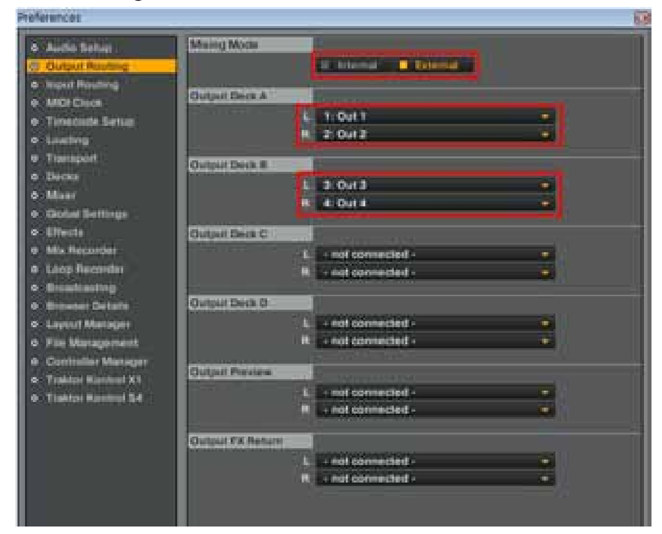
	Windows	MAC OS
RCA Left	OUT 3	3: Back Left
RCA Right	OUT 4	4: Back Right

Set “Output Master” (Output to speakers)

	Windows	MAC OS
RCA Left	OUT 1	1: Front Left
RCA Right	OUT 2	2: Front Right

EXTERNAL MIXER MODE

Set “Mixing Mode” as “External”



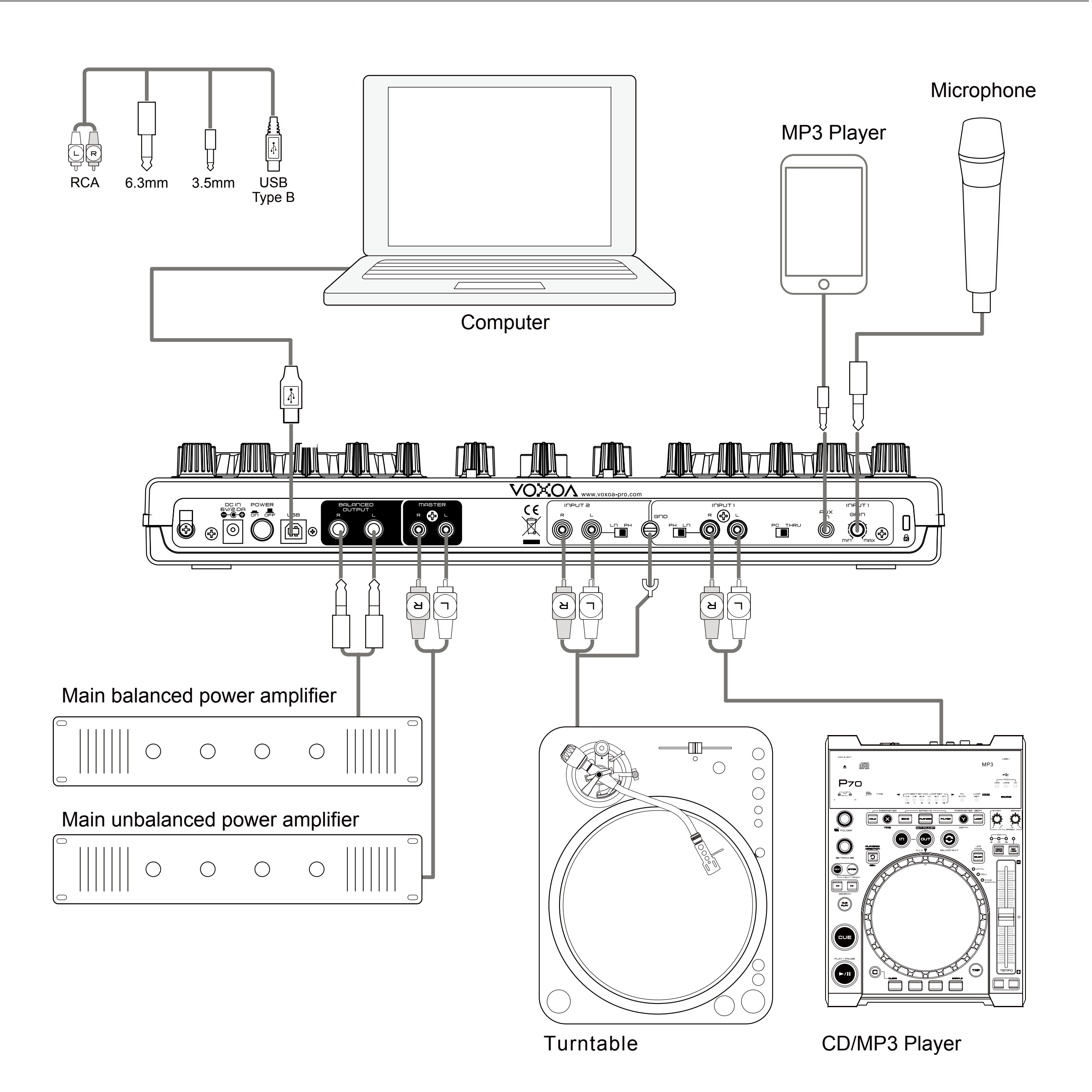
Set “Output Monitor” (Output to headphone)

	Windows	MAC OS
RCA Left	OUT 1	1: Front Left
RCA Right	OUT 2	2: Front Right

Set “Output Master” (Output to speakers)

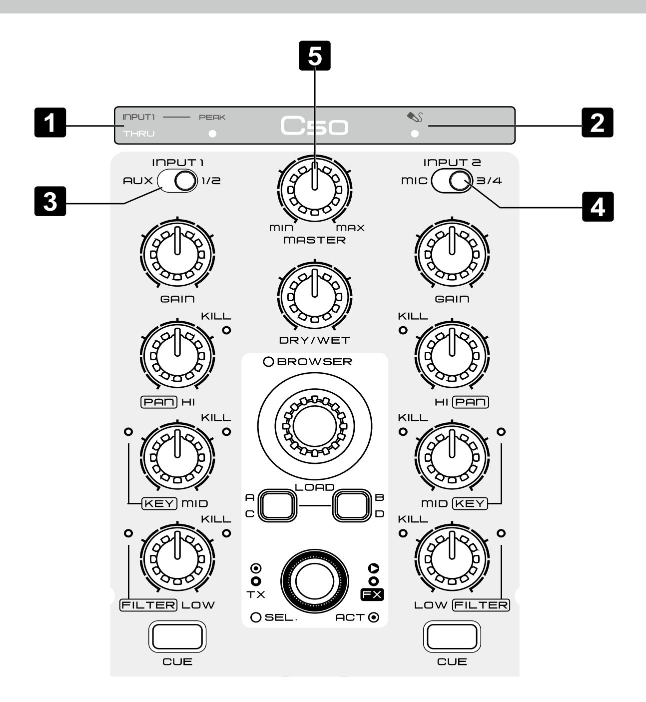
	Windows	MAC OS
RCA Left	OUT 3	3: Back Left
RCA Right	OUT 4	4: Back Right

CONNECTIONS



PART NAMES AND FUNCTIONS

MIXER SECTION



1. INPUT 1 Indicator

To indicate the INPUT 1 THRU is active.
When the INPUT 1 over 2V the PEAK indicator will light

2. MIC Indicator

To indicate the MIC is active.

3. INPUT 1 Source switch

Can switch between AUX or LINE/PHONO1.

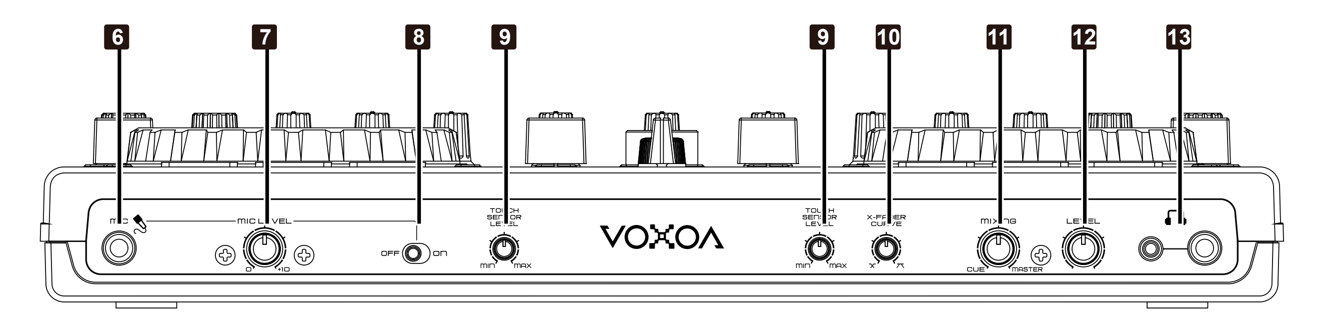
4. INPUT 2 Source switch

Can switch between MIC or LINE/PHONO2.

5. Master Volume Control

This rotary knob is is used to control the master output level (volume). To avoid distorted output try to maintain an verage output signal level.
To avoid speaker damage that may be caused by excessive volume, be sure this adjustment always set to zero before turning the unit on.

FRONT PANEL



6. MIC jack

This jack is used to connect a microphone to the mixer. Connect your microphone via 1/4 inch jack. The volume output level for microphone will be controlled by its own respective VOLUME KNOB.

7. MIC Level control

The rotary knobs control the output volume of MICROPHONE.

8. MIC On/Off switch

To set MIC on and off.

9. Touch Sensor Level control

Adjust level of touch sensitivity for the Jog Wheel.

10. X-Fader Curve switch

Allow Allows adjusting the slope of corssfader. Rotate clockwise to shorten fade time with sharper cut off at either end Rotate anti-clockwise to lengthen fade to gradually mix across fader and 50/50 mix in center only.

11. Monitor Mixing Mode selector

This function allows you to monitor the Cue level as well as the Master (main output) level in your headphones. Channels Cue Level may only be monitored if the channel CUE function is selected. To select a channel cue function press the CUE BUTTON that is directly associated with the specific channel you wish to monitor. You may use the mixing function to blend both the Cue level and the MASTER level together.

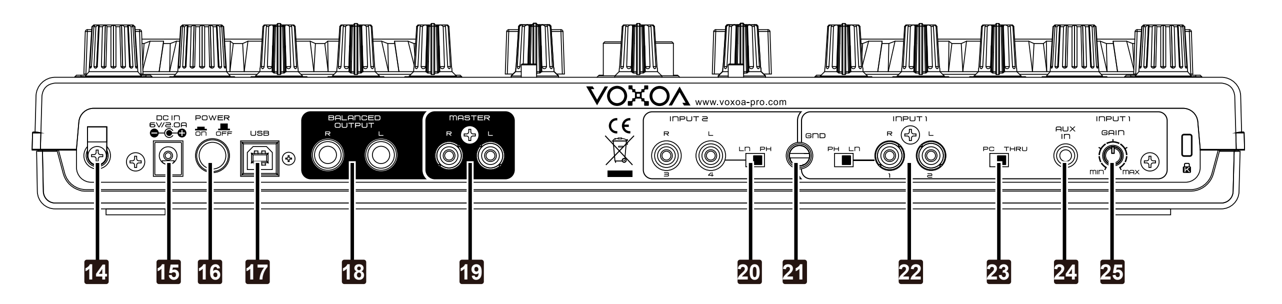
12. Cue Level control

This rotary knob is used to adjust the headphone volume output level. Turn the knob in a clockwise direction to increase the headphone volume.

13. Phones jacks

These jacks are used to connect your headphones to the device allowing you to monitor the cue channel.
Always be sure the CUE LEVEL VOLUME is set to minimum before you put the headphones on.

REAR PANEL



14. Power cord fastener
To fasten the power cord to avoid unplugging the cord by accident.

15. Power Connector
Plug in power adapter here. Please use only a 6V 2.0A DC adaptor.

16. Power Switch
Turn this unit power ON/OFF.

17. USB MIDI port
Connect the USB port to a unengaged USB port of your computer via USB cable.

NOTE : USB cable no more than 3m long.

18. Balanced XLR Master Output jack
Used to connect to the amplifier for professional use. Specially when cable lines are long and therefore can caught unwanted noise.

19. RCA Master Output jack
The RCA jacks send a low current unbalanced output signal.

20. Phono/ Line Selector switch
These switches are used to change the voltage line levels of the respected PHONO/ LINE RCA inputs jacks. When connecting turntables with magnetic cartridges to these jacks be sure the corresponding switch is in the PHONO" position, and when using line level input devices be sure the switch is in the "LINE" position.

NOTE : Always be sure main power is shut off before change the position of the Line Level Selector Switch.

21. GND (Ground Terminal)
For turntable connection. Always use this connection when using standard turntables with ground cable.

22. Channel Phono/Line input connector

Turntables equipped with MM pickup cartridge (All DJ turntable use MM pickup cartridges) may be connected to these jacks as long as the PHONO/ LINE selector switches is in the “PHONE” position. CD players, Tape Decks and other line level instruments may only be connected to these jacks as long as the PHONO/ LINE selector switches is in the “LINE” position. Input volume will be controlled by the Channel gain control knob.

23. PC/THRU switch

Send the AUX or LN/PH 1 signals directly to the master out and disconnects the computer output. Select the AUX or LN/PH1 from the Input1 selection.

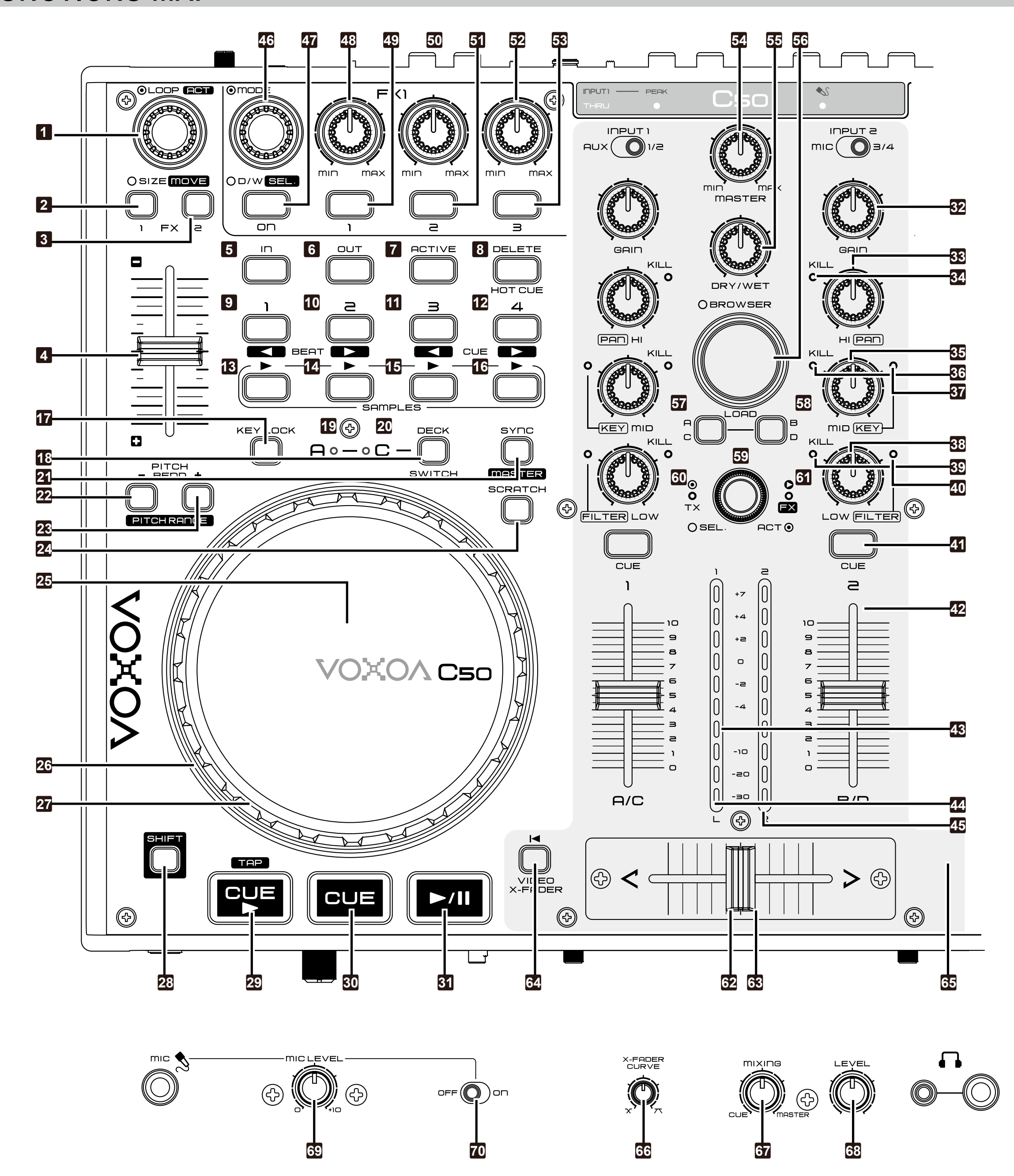
24. AUX In jack

CD players, MP3 Player, Tablet Pad and other line level instruments may only be connected to this jack. Input volume will be controlled by the channel fader. The channel SOURCE SELECTOR SWITCH must be in the "Aux" position, to monitor any source connected to this jack.

25. INPUT 1 gain

These knobs are used to adjust the audio source signal input gain for a channel. Never use the gain control to adjust a channels output volume. Setting the gain level properly will ensure a clean output signal.

FUNCTIONS MAP



CONTROL & FUNCTIONS

No.	Items	Description	SHIFT+ Description
1	Auto Loop	Active smart loop function when smart_play is activated, songs are automagically synchronized when played.	NONE
	Auto Loop	Set the loop size (or default loop size if no loop is active)	Move the loop left/right by 4 beats
2	FX1 on	Start or stop the ECHO effect	Start or stop the FILTER effect
3	FX2 on	Start or stop the FLANGER effect	Start or stop the BACKSPIN effect
4	Pitch Fader	Set the pitch of the deck, to be used by hardware controllers.	NONE
5	IN	Set loop in point. if not in loop, set the begining of a loop. if in loop, jump back to the begining of the loop.	NONE
6	OUT	Set loop out point. if not in loop, set the deck in loop, starting from the last set loop_in point or stutter point. if in loop, exit the loop.	NONE
7	Loop Active	Reloop or loop active.Jump to the loop_in point.	Remove the loop.
8	Delete	Hold this button to delete hot cue	NONE
9	Hot Cue 1	Sets Hot Cue 1 and Play.	Move backward the song while the button is pressed
10	Hot Cue 2	Sets Hot Cue 2 and Play.	Move forward the song by 4 beat while the button is pressed
11	Hot Cue 3	Sets Hot Cue 3 and Play.	Jump to previous cue point
12	Hot Cue 4	Sets Hot Cue 4 and Play.	Jump to next cue point
13	Sample 1 / 5	Left Deck play sample 1 Right Deck play sample 5	Left Deck play sample 1 Right Deck play sample 5. if already playing, restart from begining.
14	Sample 2 / 6	Left Deck play sample 2 Right Deck play sample 6	Left Deck play sample 2 Right Deck play sample 6. if already playing, restart from begining.
15	Sample 3 / 7	Left Deck play sample 3 Right Deck play sample 7	Left Deck play sample 3 Right Deck play sample 7. if already playing, restart from begining.
16	Sample 4 / 8	Left Deck play sample 4 Right Deck play sample 8	Left Deck play sample 4 Right Deck play sample 8. if already playing, restart from begining.
17	Key Lock	Activate/deactivate the key lock (to make the pitch slider change the speed of the song, but keep the key of the song like it is now).	NONE
18	Deck Switch	Deck change between A/C B/D	Select PLAYER/LOOPS/EFFECTS screen on the deck

No.	Items	Description	SHIFT+ Description
19	Deck A (B) Led	Indicate current deck	
20	Deck C (D) Led	Indicate current deck	
21	Sync/Master	Synchronize the song with the other deck.	Select/unselect this deck as 'master deck'. When a master deck is set, all synchronization operations will take the master deck as reference. (for skins with more than 2 decks)
22	Pitch Bend -	Applies pitch bend -2% 500ms	Set the range for the pitch slider. Pitch range "6,10,16,100" -1
23	Pitch Bend +	Applies pitch bend +2% 500ms	Set the range for the pitch slider. Pitch range "6,10,16,100" +1
24	Scratch	Set the jogwheel in vinyl mode (with scratch)	Hold to play the song backward
25	Jog Wheel touch	Touch the surface of wheel to scratch	
26	Jog Wheel	Locate cue points, scratch the song playback and tempo bend Outer rim : tempo bending. In Loop : hold Loop IN/Loop Out and spin the jog wheel to fine-tune the Loop in point/Loop out point	Seek through track (fast forward / rewind)
27	Jog Wheel Rim	Pitch Bend	
28	SHIFT	Press or hold to access the secondary functions of other control elements	
29	Cue Play	If playing, pause and go to the last cue point. if paused, set the current position as cue point, and preview the cue as long as pressed.	Tap on a few beats to set a new bpm for the song if the application didn't got it right on the first time.
30	Cue	If playing, go to the last cue point and continue playing. if paused, set the current position as cue point, and preview the cue as long as pressed. if in loop, change loop_in to the cue point but keep the loop's length.	Automatically goes to the first beat in the song
31	Play/Pause	If paused, start the deck. if playing, pause the deck. Button lights up when playing. Blinking while cue	Instantly synchronize the song with the other deck, using local beat information instead of the gloabl beatgrid, but don't change the pitch.
32	Channel Gain	Set the channel gain	
33	Channel High	Set the treble equalizer	
34	Channel High Kill	Mute the treble	
35	Channel Mid	Set the medium equalizer	Change the key of the song
36	Channel Mid Kill	Mute the medium	Active/Deactive the Key function

No.	Items	Description	SHIFT+ Description
37	Channel Key On	Indicate the Key function is ON	
38	Channel Low	Set the bass equalizer	Adjust the Filter
39	Channel Low Kill	Mute the Bass	Active/Deactive the Filter
40	Channel Filter On	indicate the Filter is ON	
41	Channel Cue	Select the deck to the headphones	Left Deck PFL: Open the Mixer window Right Deck PFL: Open the Video window
42	Channel Fader	Adjust the level of the selected channel	
43	Channel Meter	Get the value of the incoming vu-meter	
44	Master Meter Left	Get the value of the outgoing vu-meter for the left balance	
45	Master Meter Right	Get the value of the outgoing vu-meter for the Right balance	
46	FX ENC Button	none	
	FX ENC	Selects a effect from the list	Select a sample
47	FX ON button	Start or stop selected effect	
48	FX Knob 1	Controls the effect parameter 1	
49	FX button 1	Effect button 1	
50	FX Knob 2	Controls the effect parameter 2	
51	FX button 2	Effect button 2 (Only supported in selected effect plugings).	
52	FX3 Knob 3	Change the volume of the selected sample	
53	FX3 button 3	Play/Stop the selected sample	Play the selected sample. if already playing, restart from begining.
54	Master	Change the volume of the Master output	
55	Booth	Change the volume of the booth output	
56	Browser button	Songs: Adds song to playlist Folders: Enter folder	Zoom or unzoom the browser to be displayed on the whole window
	Browser ENC	Scrolls file/folder list	
57	Load A/C	Loads the selected song on the deck A/C	Change the page displayed in the browser window (folders, songs, playlist, sidelist)
58	Load B/D	Loads the selected song on the deck B/D	Change the page displayed in the browser window (folders, songs, playlist, sidelist)
59	Center Encoder Button	Launch a transition from one video deck to the other.	Activate/deactivate the selected video effect
	Center Encoder	Select the plugin used for video transitions.	Selects a video effect

No.	Items	Description	SHIFT+ Description
60	TX (Transition) LED	indicate the video transition is on	
61	FX (Video Effect) LED	indicate the video effect is on	
62	Audio Cross Fader	Crossfader	
63	Video Cross Fader	Set the position of the video crossfader	
64	Video X-fader Active	Press to active the crossfader as Video crossfader	
65	Video X-fader link	Link or unlink the video crossfader to the audio crossfader	move the video crossfader automatically according to which side is playing, cueing, scratching, etc...
66	Cross Fader Curve	Select the curve of the crossfader	
67	Cue Mixing	Change the mix of the PFL	
68	Cue Level	Change the volume of the PFL output	

MIDI MAP (HEX)

							SHIFT +	
No.	Items	Type	SW Note	VR CC	LED Note	LED CC	SW Note	VR CC
1	Auto Loop	SW/ENC	1	1	--	--	33	1F
2	FX1 on	SW/LED	2	--	2	--	34	--
3	FX2 on	SW/LED	3	--	3	--	35	--
4	Pitch Fader	VR	En,0xll(LSB),0xmm(MSB)					
5	IN	SW/LED	4	--	4	--	36	--
6	OUT	SW/LED	5	--	5	--	37	--
7	Loop Active	SW/LED	6	--	6	--	38	--
8	Delete	SW/LED	7	--	7	--	39	--
9	Hot Cue 1	SW/LED	8	--	8	--	3A	--
10	Hot Cue 2	SW/LED	9	--	9	--	3B	--

							SHIFT +	
No.	Items	Type	SW Note	VR CC	LED Note	LED CC	SW Note	VR CC
11	Hot Cue 3	SW/LED	A	--	A	--	3C	--
12	Hot Cue 4	SW/LED	B	--	B	--	3D	--
13	Sample Deck 1(2) Slot 1	SW/LED	C	--	C	--	3E	--
14	Sample Deck 1(2) Slot 2	SW/LED	D	--	D	--	3F	--
15	Sample Deck 1(2) Slot 3	SW/LED	E	--	E	--	40	--
16	Sample Deck 1(2) Slot 4	SW/LED	F	--	F	--	41	--
17	Key Lock	SW/LED	10	--	10	--	42	--
18	Deck Switch	SW	11	--	--	--	43	--
19	Deck A (B) Led	none		--	--	--	--	--
20	Deck C (D) Led	none		--	--	--	--	--
21	Sync/Master	SW/LED	12	--	12	--	44	--
22	Pitch Bend -	SW/LED	13	--	13	--	45	--
23	Pitch Bend +	SW/LED	14	--	14	--	46	--
24	Scratch	SW/LED	15	--	15	--	47	--
25	Jog Wheel touch	SW	26	--	--	--	58	--
26	Jog Wheel	Enc	--	2	--	--	--	20
27	Jog Wheel Rim	none	--	--	--	--	--	--
28	SHIFT	SW/LED	2D	--	2D	--	--	--
29	Cue Play	SW/LED	16	--	16	--	48	--
30	Cue	SW/LED	17	--	17	--	49	--
31	Play/Pause	SW/LED	18	--	18	--	4A	--
32	Channel Gain	VR	--	3	--	--	--	21
33	Channel High	VR	--	4	--	--	--	22
34	Channel High Kill	SW/LED	19	--	19	--	4B	--
35	Channel Mid	VR	--	5	--	--	--	23
36	Channel Mid Kill	SW/LED	1A	--	1A	--	4C	--
37	Channel Key On	LED	--	--	26	--	--	--
38	Channel Low	VR	--	6	--	--	--	24
39	Channel Low Kill	SW/LED	1B	--	1B	--	4D	--
40	Channel Filter On	LED	--	--	27	--	--	--
41	Channel Cue	SW/LED	1C	--	1C	--	4E	--
42	Channel Fader	VR	--	7	--	--	--	25
43	Channel Meter	VR LED	--	--	--	2	--	--
44	Master Meter Left	VR LED	--	--	--	3	--	--
45	Master Meter Right	VR LED	--	--	--	4	--	--
46	FX1 (2) Enc	SW/ENC	1D	8	--	--	4F	26

							SHIFT +	
No.	**Items**	**Type**	**SW Note**	**VR CC**	**LED Note**	**LED CC**	**SW Note**	**VR CC**
47	FX1 (2) on button	SW/LED	1E	--	1E	--	50	--
48	FX1 (2) Knob 1	VR	--	9	--	--	--	27
49	FX1 (2) button 1	SW/LED	1F	--	1F	--	51	--
50	FX1 (2) Knob 2	VR	--	A	--	--	--	28
51	FX1 (2) button 2	SW/LED	20	--	20	--	52	--
52	FX1 (2) Knob 3	VR	--	B	--	--	--	29
53	FX1 (2) button 3	SW/LED	21	--	21	--	53	--
54	Master	VR	--	C	--	--	--	2A
55	Booth	VR	--	D	--	--	--	2B
56	Browser	SW/ENC	27	E	--	--	59	2C
57	Load A/C	SW/LED	22	--	22	--	54	--
58	Load B/D	SW/LED	23	--	23	--	55	--
59	Video Enc	SW/ENC	28	F	--	--	5A	2D
60	TX LED	LED	--	--	2E	--	--	--
61	FX LED	LED	--	--	2F	--	--	--
62	Audio Cross Fader	VR	--	10	--	--	--	2E
63	Video Cross Fader	VR	--	11	--	--	--	2F
64	Cross Fader Button1	SW/LED	24	--	24	--	56	--
65	Cross Fader Button2	SW/LED	25	--	25	--	57	--
66	Cross Fader Curve	VR	--	12	--	--	--	30
67	Cue Mixing	VR	--	13	--	--	--	31
68	Cue Level	VR	--	14	--	--	--	32

SPECIFICATIONS

1. GENERAL SECTION

POWER :

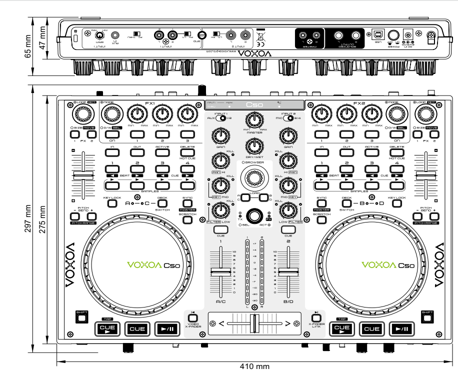
DC6V, 2.0A ; 12WATTS

DIMENSION :

410 (W) X 297 (D) X 65 (H) mm

WEIGHT :

3.2 kg



2. INPUT/OUTPUT IMPEDANCE & SENSITIVITY: (MAXIMUM GAIN, load=100K)

- INPUT IMPEDANCE AND REFERENCE INPUT LEVEL

LINE:	47K OHM /0dBV
PHONO:	47K OHM /-50dBV
MIC:	10K OHM /-54dBV
AUX:	47K OHM /0dBV

- OUTPUT IMPEDANCE

MASTER:	300 OHM
BALANCED:	600 OHM
PHONES (load=32 ohm):	10 OHM

3. FREQUENCY RESPONSE: (MASTER GAIN MAX., MASTER OUT 0dB)

LINE:	20-20KHz +/-3dB
AUX:	20-20KHz +/-3dB
PHONO:	20-20KHz +1/-3dB (RIAA) (MASTER OUT -14dB)
MIC:	20-20KHz +2/-3dB

4. THD+N: (MASTER GAIN MAX., MASTER OUT 0dB, w/ 20kHz LPF, A-WEIGHTED)

LINE:	LESS THAN 0.05% @ 1KHz
AUX:	LESS THAN 0.05% @ 1KHz
PHONO:	LESS THAN 0.15% @ 1KHz
MIC:	LESS THAN 0.15% @ 1KHz

5. MAXIMUM INPUT: (MASTER GAIN MAX., 1KHz, THD=1%, w/20kHz LPF, A-WEIGHTED)

LINE:	MORE THAN +6dBV
AUX:	MORE THAN +6dBV
PHONO:	MORE THAN -30dBV
MIC:	MORE THAN -35dBV

6. MAXIMUM OUTPUT: (MASTER GAIN MAX., 1KHz, THD=1%, w/20kHz LPF, A-WEIGHTED)

MASTER:	MORE THAN +6dBV (2V)

SPECIFICATIONS

7. S/N RATIO: (MASTER GAIN MAX., MASTER OUT 0dB, w/20KHz LPF, A-WEIGHTED)

LINE:	MORE THAN 80dB
AUX:	MORE THAN 80dB
PHONO:	MORE THAN 80dB
MIC:	MORE THAN 75dB

8. LR SEPARATION: (MASTER GAIN MAX., MASTER OUT 0dB, w/ 20kHz LPF, A-WEIGHTED)

LINE:	MORE THAN 70dB
AUX:	MORE THAN 70dB
PHONO:	MORE THAN 70dB

9. CHANNEL BALANCE: Within 2dB

10. USB SECTION: (SIGNAL FORMAT: MP3, 128KBPS, SONY SOUND FORGE8.0)

*1 (ASIO4ALL DEFAULT PLAYBACK DEVICE: C50 1/2 Windows Level At MAX. Out)
*2 (ASIO4ALL DEFAULT PLAYBACK DEVICE: C50 3/4 Windows Level At MAX. Out)
*3 (w/20KHz LPF A-WEIGHTED)

- **OUTPUT LEVEL**

MASTER OUT:	0dBV+/-1dB
BALANCE OUT:	2.22dBm +/-1dB
PHONES OUT:	0dBV+/-1dB*2

- **CHANNEL BALANCE** Within 2dB
- **FREQUENCY RESPONSE**

MASTER OUT:	17-16KHz +1/-3dB
BALANCE OUT:	17-16KHz +1/-3dB
PHONES OUT:	17-16KHz +1/-3dB*2

- **THD+N**

MASTER OUT:	LESS THAN 0.05%
BALANCE OUT:	LESS THAN 0.05%
PHONES OUT:	LESS THAN 0.15%*2,*3

- **S/N RATIO**

MASTER OUT:	MORE THAN 80dB
BALANCE OUT:	MORE THAN 80dB
PHONES OUT:	MORE THAN 80dB*2,*3

- **LR SEPARATION**

MASTER OUT:	MORE THAN 75dB at 1KHz
BALANCE OUT:	MORE THAN 75dB at 1KHz
PHONES OUT:	MORE THAN 60dB at 1KHz*2,*3

- **RECORDING AND PLAYBACK**: (LINE INPUT 1KHz -8dBV, AUX INPUT 1KHz -8dBV, PHONO INPUT 1KHz -44dBV, MIC INPUT 1KHz -48dBV PLAYBACK: MIC OFF *1,*3)

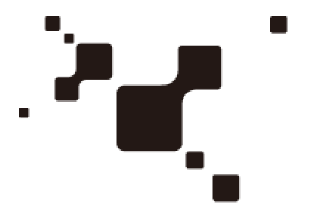
OUTPUT:	LESS THAN -14dBV ± 2dB
THD+N:	
LINE/AUX:	LESS THAN 0.05%
PHONO:	LESS THAN 0.15%
MIC:	LESS THAN 0.15%

ENGLISH

NOTE

Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

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